

May 31, 2013

Eng. Bruce Kiselica
Chief, Drinking Water and Ground Water
Protection Section
US Environmental Protection Agency
290 Broadway
New York, NY 10007-1866

**Puerto Rico Drinking Water Division
Annual Report FY - 12**

Dear mister Kiselica:

Enclosed you will find a copy of the Puerto Rico Drinking Water Division Annual Report for the Fiscal Year 12. Most of report requirements have been already completed and submitted to Region II - EPA in quarterly reports. What is submitted here now is mainly a narrative report of activities conducted during FY 12 by our Drinking Water Division.

If you have any question regarding this matter, please do not hesitate to contact me at (787) 777-0150/0151.

Cordially,


Javier O. Torres, PE
Director

Enclosure

C: Eng. José Font, CEPD; Eng. Nicole Kfrat, EPA Reg II

U.S. ENVIRONMENTAL PROTECTION
AGENCY REG II
2013 JUN 25 AM 11:12
DECA-WATER COMPLI BRANCH

Annual Report FY-12



DRINKING WATER DIVISION



**PUERTO RICO
DEPARTMENT OF HEALTH**

TABLE OF CONTENTS

Page

1.0	INTRODUCTION	1
2.0	PUBLIC WATER SUPPLY SUPERVISION PROGRAM	1
2.1	PRIMACY REQUIREMENTS	1
2.2	NEW ENFORCEMENT RESPONSE POLICY (ERP) ENFORCEMENT TARGETING TOOL (ETT)	2
2.3	PRASA SUMMARY COMPLIANCE	3
2.4	NON PRASA SUMMARY COMPLIANCE	4
2.5	PROGRAMS ELEMENTS	5
2.5.1	Program Management and Administration	6
2.5.2	Surveillance Activities and Technical Assistance	6
2.5.3	Compliance Monitoring	9
2.5.4	Enforcement Actions	11
2.5.5	Project Review Section	13
2.5.6	Laboratory Certification	13
2.5.7	Seminars/Training	14
2.5.8	Data Management	15
2.5.9	Public Participation	15
2.5.10	Special Reports	15
2.6	SPECIAL PROJECTS	16
2.6.1	Counter-Terrorism Coordination Program	16
2.6.2	Unregulated Contaminant Monitoring Regulation Cycle 3 (UCMR-3)	16
2.6.3	Technical Assistance Support (TAS)	17
2.7	ANNUAL DRINKING WATER SEMINAR	17
3.0	DRINKING WATER STATE REVOLVING FUND	18
3.1	INTENDED USE PLAN (IUP)	18
3.2	INFRASTRUCTURE PROJECTS	20
3.3.	CAPACITY DEVELOPMENT	21
3.4.	OPERATOR CERTIFICATION PROGRAM	23
3.5	TECHNICAL ASSISTANCE	27

LIST OF TABLES

Page

TABLE 1:	Puerto Rico PWS ETT Score	2
TABLE 2:	FY-12 PRASA Summary Compliance	3
TABLE 3a:	NON PRASA Compliance Summary	5
TABLE 3b:	NON PRASA Compliance Summary Status	5
TABLE 4:	Surveillance and Technical Assistance Activities FY-12	6
TABLE 5:	PRASA Bacteriological Surveillance Monitoring by Month	7
TABLE 6a:	NON PRASA Community Systems Bacteriological Surveillance Monitoring	8
TABLE 6b:	NON PRASA Non Transient-Non Community Systems Bacteriological Surveillance Monitoring	8
TABLE 6c:	NON PRASA Bacteriological Surveillance Monitoring	9
TABLE 7:	PRASA Enforcement Actions	12
TABLE 8:	NON PRASA Enforcement Actions	12
TABLE 9:	Lead and Copper Compliance Summary	12
TABLE 10:	Laboratory Certification Status	13
TABLE 11:	List of NON PRASA Systems Recognition 2012	18
TABLE 12:	ARRA Funds Summary	20
TABLE 13:	Grants Achievements Summary	20
TABLE 14:	DWSRF Regular Program Infrastructure Projects	21
TABLE 15:	American Recovery and Reinvestment Act (ARRA) Funds Infrastructure Projects	21
TABLE 16:	PRPRDOH Capacity Development Strategy	23

LIST OF TABLES (Cont.)

Page

TABLE 17:	PRPRDOH Operator Certification Program Status by Category: Surface Systems	24
TABLE 18:	PRPRDOH Operator Certification Program Status by Region	24
TABLE 19:	PRASA GWS by Region	24
TABLE 20:	PRPRDOH Operator Certification Program Status by Category Ground Systems	25
TABLE 21:	Total Number of PRASA Licensed Operators by Category	25
TABLE 22:	DWSRF Technical Assistance Program Achievements	27

LIST OF FIGURES

Page

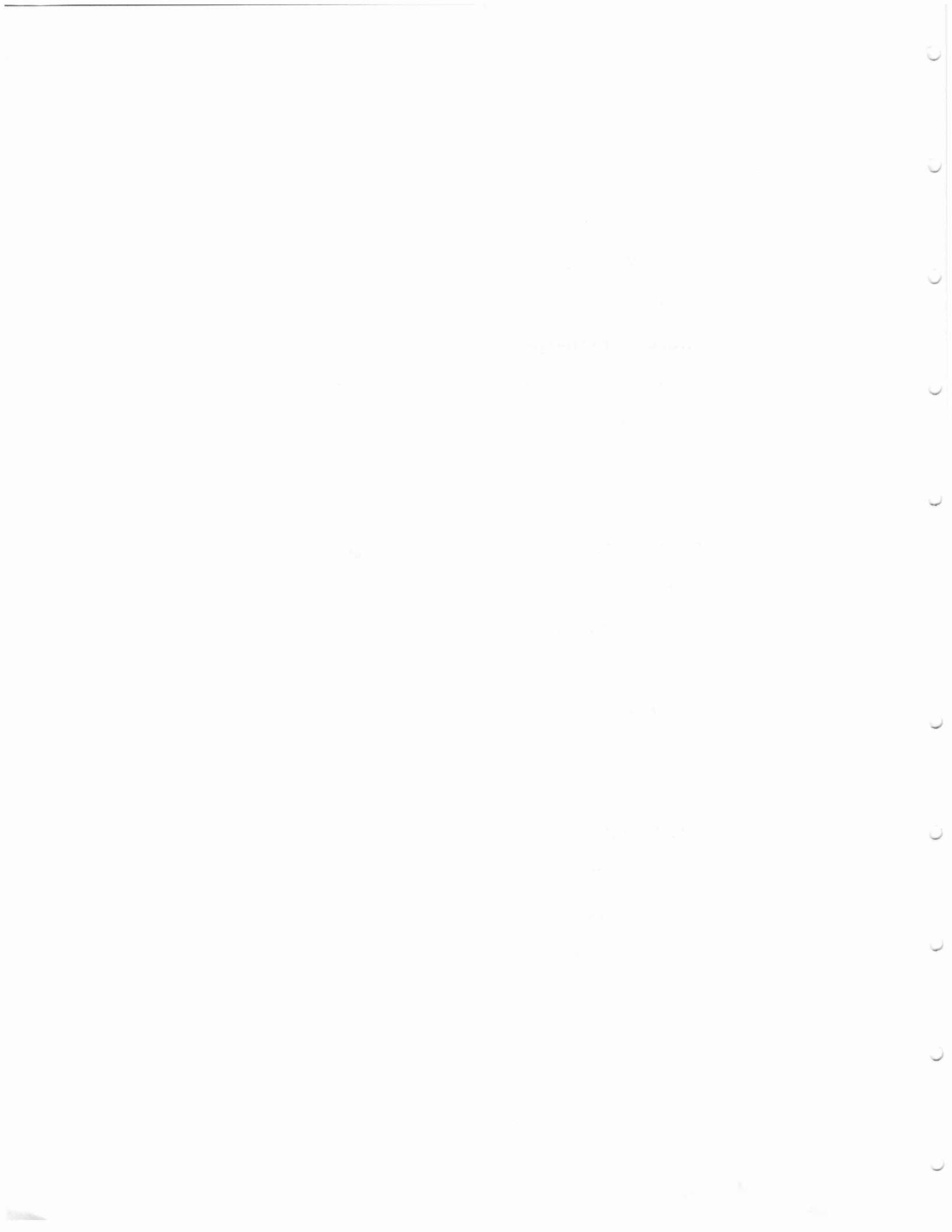
FIGURE 1:	NON PRASA Systems Distribution	5
FIGURE 2:	Percent of PRASA Systems without MCL Bacteriology Violations from FY-08 thru FY-12	10
FIGURE 3:	Percent of PRASA Systems without Turbidity Violations (TT) from FY-08 thru FY-12	11

LIST OF ATTACHMENTS

- ATTACHMENT 1:** Organization Flowchart
- ATTACHMENT 2:** Coordinators' FFY-12 Annual Reports
- ATTACHMENT 3:** PWSS Program Activities Summary FFY-12
- ATTACHMENT 4:** PRDOH Surveillance Monitoring Program
- ATTACHMENT 5:** PWS Compliance Monitoring
- ATTACHMENT 6:** PRASA Systems' Noncompliance List
- ATTACHMENT 7:** Non PRASA Systems' Noncompliance List
- ATTACHMENT 8:** Laboratory Certification Status

ACRONYMS

ARRA	American Recovery and Reinvestment Act
AWWA	American Water Works Association
CCR	Consumer Confidence Report
CDX	Central Data Exchange
CEPD	Caribbean Environmental Protection Division
CFR	Code of Federal Regulations
CPE	Comprehensive Performance Evaluations
CWS	Community Water Systems
DWSRFP	Drinking Water State Revolving Fund Program
EPA	Environmental Protection Agency
ERG	Expenses Reimbursement Grant
ERP	Enforcement Response Policy
ETT	Enforcement Targeting Tool
GLEC	Great Lakes Environmental Center
GWS	Ground Water
HAA5	Haloacetic Acids
IDSE	Initial Distribution System Evaluation
IOC	Inorganic Contaminants
IUP	Intended Use Plan
LSI	Large System Inventory
LT2	Long Term 2
MCL	Maximum Contaminant Level
MDBP2	Microbial Disinfectants Byproducts 2



ACRONYMS (Cont.)

MR	Monitoring/Report
NCNT	Non Community Non Transient Systems
PA	Partnership Agreement
PRASA	Puerto Rico Aqueduct and Sewer Authority
PRDOH	Puerto Rico Department of Health
PWS	Public Water Systems
PWSSP	Public Water Supply Supervision Program
QMP	Quality Management Plan
RADS	Radiological Contaminants
RFP	Request for Proposal
S2D/DBP	Stage 2 Disinfectant/Disinfection Byproducts
SDWA	Safe Drinking Water Act
SDWIS	Safe Drinking Water Information System
SMF	Standardized Monitoring Framework
SMP	State Monitoring Plan
SOC	Synthetic Organic Contaminants
TAS	Technical Assistance Support
TOC	Total Organic Carbon
TT	Treatment Technique
TTHM	Total Trihalomethanes
UCMR-3	Unregulated Contaminant Monitoring Regulation Cycle 3
VOC	Volatile Organic Contaminants

1.0 INTRODUCTION

The Safe Drinking Water Act (SDWA, 1974) objective is to ensure public health protection through compliance of the public water systems (PWS) with all health-based standards, including all monitoring and reporting requirements established in the regulations.

The Puerto Rico Department of Health (PRPRDOH) submits this document to the Federal Environmental Protection Agency (EPA) as part of the SDWA primacy requirements. This Annual Report contains the main activities performed throughout federal fiscal year 2012 (FFY-12: October 2011 thru September 2012).

The Puerto Rico Drinking Water Division is divided in two (2) Programs or (Grants): **Public Water Supply Supervision Program (PWSSP)** and **Drinking Water State Revolving Fund Program (DWSRFP)**. In order to achieve both Programs goals, several sections were established. An organization flowchart is included as Attachment No. 1.

As required, the activities described below are related to primacy revision applications and EPA approvals, regulations, surveillance monitoring, compliance monitoring, compliance determination, enforcement actions, special projects, seminars, trainings, special reports, public participation, and program management, among others, performed by the two Programs.

2.0 PUBLIC WATER SUPPLY SUPERVISION PROGRAM

2.1 PRIMACY REQUIREMENTS

EPA requires to PWSSP to review and adopt all new regulations in order to obtain or retain the primacy of the drinking water regulations, as established in §1413 of SDWA and 40 Code of Federal Regulations (CFR) Part 142.

PRPRDOH successfully undertook the following activities as established in the Microbial Disinfectants Byproducts 2 (MDBP2: Stage 2 D/DBP and Long Term 2) during FY-12:

- Contacted systems and handled all system interactions for MDBP2.
- Provided technical support to systems that requested our assistance for MDBP2.

- Notified systems of Initial Distribution System Evaluation (IDSE) reports that needed to be revised and modified prior to determine final approval.
- Evaluated and approve the need to modify sampling points and monitoring plans for DBP2.
- Evaluated capital construction projects for compliance with LT2.
- Evaluate and approve IDSE Reports.
- Evaluate and approve Bin Classifications for Itinerary 4.
- Evaluated monitoring results for DBP2.
- Issued enforcement actions for LT2 and DBP2 Noncompliance.
- Assisted EPA in their Data Verification Review Audit to the PWSSP regard to MDBP2 documents.

2.2 NEW ENFORCEMENT RESPONSE POLICY (ERP)/ENFORCEMENT TARGETING TOOL (ETT)

The new EPA enforcement approach, known as Enforcement Response Policy (ERP)/Enforcement Targeting Tool (ETT) replaces the existing contaminant by contaminant compliance strategy with one that focuses on the drinking water systems with the most serious or repeated violations. This new approach uses a targeting tool/formula as a model for escalating responses to violations in a timely and appropriate response. This new strategy brings the systems with the most significant violations to the top of the list for enforcement actions in states. The ETT enables the prioritization of PWS by assigning each violation a “weight” or number of points based on the assigned threat to public health. Points for each violation of a water system are summed to provide a total score for that PWS. A PWS that incurs in a system score of 11 points or greater is considered as in significant Noncompliance with the NPDWR and is subject to the required enforcement actions.

According to ERP/ETT lists submitted by EPA during FY-12, the total number of systems with score equal or above 11 were:

Table 1: Puerto Rico PWS ETT Score

System	October 2011	January 2012	April 2012	July 2012
PRASA ¹	31	8	6	3
Non PRASA ² PRIVATE	11	8	8	4

¹ Puerto Rico Aqueduct and Sewer Authority (PRASA)

² Systems not operated by PRASA

System	October 2011	January 2012	April 2012	July 2012
Non PRASA COMMUNITY	160	164	155	144
TOTAL	202	180	169	151

2.3 PRASA SUMMARY COMPLIANCE

The PWSS Program Enforcement Section is responsible for supervising the Puerto Rico Aqueduct and Sewer Authority (PRASA) system's compliance. Compliance and enforcement actions are based on the revision of compliance monitoring results submitted by PRASA, inspections, sanitary surveys and others surveillance activities.

By FY-12, the total of PRASA systems was 177 (108 surface and 69 ground water systems). A total of 130 filtration plants were in operation. The following tables summarize PRASA compliance during FY-12 by contaminant groups. Turbidity and Total Organic Carbon (TOC) requirements are applicable only to filtration plants.

Table 2: FY-12 PRASA SUMMARY COMPLIANCE

CONTAMINANT GROUP OR RULE REQUIREMENT	VIOLATION TYPE	SYSTEMS WITH 4 OR MORE VIOLATIONS DURING FY-12	SYSTEMS WITH 1, 2 OR 3 VIOLATIONS DURING FY-12
Bacteriology	Maximum Contaminant Level	0	21
	Monitoring/Reporting	0	1
Turbidity	Treatment Technique	0	7
	Monitoring/Reporting	0	1
Total Trihalomethanes (TTHMs) (Compliance based on Stage 1 DBPR)	Maximum Contaminant Level based on Running Annual Average	0	1
Haloacetic Acids (HAA5) (Compliance based on Stage 1 DBPR)	Maximum Contaminant Level based on Running Annual Average	0	6
Total Organic Carbon (TOC)	TOC Removal Ratio (treatment technique) based on Running Annual Average	7	28
Nitrates	Maximum Contaminant Level	0	0
	Monitoring/Reporting	0	6

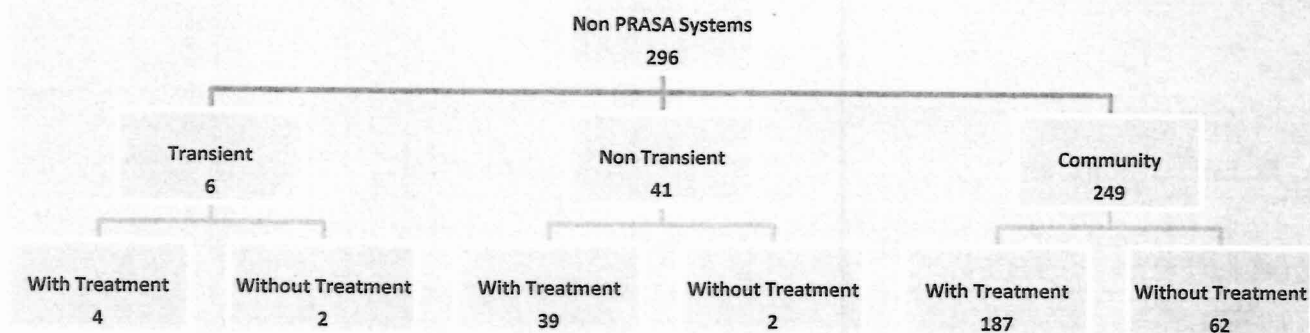
CONTAMINANT GROUP OR RULE REQUIREMENT	VIOLATION TYPE	SYSTEMS WITH 4 OR MORE VIOLATIONS DURING FY-12	SYSTEMS WITH 1, 2 OR 3 VIOLATIONS DURING FY-12
IOC, except Nitrates	Maximum Contaminant Level	0	0
VOC	Maximum Contaminant Level	0	0
SOC	Maximum Contaminant Level	0	0
RADS	Maximum Contaminant Level	0	0
Rule or Requirement	COMPLIANCE	Comments	
Consumer Confidence Report (CCR)	All systems prepared and submitted copy of the CCR for 2011, submitted by July 2012.	Copies of the CCRs and certification letter were received according to the regulation.	
Lead and Copper (L & C)	Five (5) systems exceeded the action levels (AL)	Desktop evaluations were requested and submitted.	

2.4 NON PRASA SUMMARY COMPLIANCE

The Non PRASA section has been designated to provide assistance to Non PRASA systems (systems not operated by PRASA). The majority of these community systems are located in rural areas throughout the Island and represents approximately 2% of the population. Most of these small systems lack of technical, managerial and financial capacity. Most of them are not well operated and therefore more vulnerable to waterborne diseases. The Non PRASA Strategy has been the main tool used to bring those systems into compliance for the past few years, by connecting the systems to the nearest PRASA systems, the installation of disinfection equipment or changing the surface source to an underground one.

The following figure details the distribution of Non PRASA systems by September 2012.

FIGURE 1: NON PRASA SYSTEMS DISTRIBUTION



To follow-up and maintain the goals established in the Non PRASA Strategy, an achievement report is prepared annually. During FY-12, the following results were obtained under the NON PRASA Strategy.

TABLE 3a: NON PRASA COMPLIANCE SUMMARY STATUS

RULE	TOTAL OF COMMUNITY SYSTEMS UNDER STRATEGY	SAMPLES TAKEN	NEGATIVE SAMPLES	PERCENT NEGATIVE SAMPLES
Bacteriology	180	969	619	64%

TABLE 3b: NON PRASA COMPLIANCE SUMMARY STATUS

REQUIREMENT	TOTAL OF COMMUNITY SYSTEMS UNDER STRATEGY	SYSTEMS WITH DISINFECTION	PERCENT OF SYSTEMS WITH DISINFECTION
Disinfection	180	142	79%

2.5 PROGRAMS ELEMENTS

All Program Elements were achieved successfully during FY-12. A summary of the activities carried out by the PWSS Regional and Central Office Coordinators, as well as a comparative report concerning the Program's performance actions are included in this report. See Attachment 2.

2.5.1 PROGRAM MANAGEMENT AND ADMINISTRATION

- 2.5.1.1** Program administration and supervision were continuously provided to achieve a satisfactory administration of the SDWA.
- 2.5.1.2** PWSSP Grant proposal for FY-13 was submitted on May 02, 2012.
- 2.5.1.3** Annual Program Work Plan, as well as the development of staff and budget needs, was prepared as part of the original grant applications for the FY-13.
- 2.5.1.4** The Private Laboratory Certification Program continued successfully during the FY-12.
- 2.5.1.5** All PRASA and Non PRASA monitoring results were evaluated in order to grant waivers, reduce monitoring frequency, increase monitoring, etc., in accordance with the Standardized Monitoring Framework (SMF).
- 2.5.1.6** The Enforcement and Compliance Strategy for Non-PRASA Community Water Supply Systems continued to be in force in collaboration with the Division of Enforcement and Compliance Assistance of the US EPA Region II and the Caribbean Environmental Protection Division (CEPD).

2.5.2 SURVEILLANCE ACTIVITIES AND TECHNICAL ASSISTANCE

- 2.5.2.1** The following table presents the main surveillance activities and technical assistance performed by type of system. See Attachment 3 for more details.

TABLE 4: SURVEILLANCE AND TECHNICAL ASSISTANCE ACTIVITIES FY-12

ACTIVITY	PRASA	NON PRASA	TOTAL
Sanitary Surveys	59	71	130
Inspections*	794	144	938
Field Visits	120	133	253
Cross Connections Investigations	4	2	6

ACTIVITY	PRASA	NON PRASA	TOTAL
Enforcement actions	136	74	210
Follow-up actions	1370	744	2,114
Technical Assistance	56	218	274
Chemical Contamination Investigation	15	0	15
Microbiology Contamination Investigation	5	0	5
Complaints	64	7	71
Meetings	126	75	201
Legal Notifications and Boil Orders	---	2,220	2,200

* Includes: Filtration Plants, Tanks, Wells inspections

2.5.2.2 A total of 4,381 bacteriological analyses were performed by PRDOH on PRASA systems as part of the PRDOH surveillance monitoring program. Out of these, 164 or 3.7% percent were found positive. See Attachment 4 for more details. The following table details the samples monitoring by month.

TABLE 5: PRASA BACTERIOLOGICAL SURVEILLANCE MONITORING BY MONTH

Month	Number of samples taken	Number of positive samples	% positive
Oct 2011	379	29	7.7
Nov 2011	389	10	2.6
Dec 2011	309	9	2.9
Jan 2012	355	8	2.2
Feb 2012	413	19	4.6
Mar 2012	342	7	2.1
Apr 2012	384	17	4.4
May 2012	387	12	3.1
Jun 2012	343	11	3.2
Jul 2012	378	16	4.2
Aug 2012	368	15	4.1
Sep 2012	334	11	3.3
Total	4,381	164	3.7

2.5.2.3 A total of 1,285 bacteriological analyses were performed by PRPRDOH on Non-PRASA community systems as part of the surveillance monitoring program. Out of these, 456 or 35.5% percent were found positive. For Non Transient- Non

Community systems, a total of 242 bacteriological analyses were performed. Out of these, 14 samples or 5.8% were found positive. See Attachment 4 for more details. The following tables details the samples monitoring by month.

**TABLE 6a: NON PRASA COMMUNITY SYSTEMS
BACTERIOLOGICAL SURVEILLANCE
MONITORING**

MONTH	Number of samples taken	Number of positive samples	% positive
Oct 2011	119	53	44.5
Nov 2011	135	51	37.8
Dec 2011	84	21	25.0
Jan 2012	100	44	44.0
Feb 2012	117	35	29.9
Mar 2012	95	28	29.5
Apr 2012	102	36	35.9
May 2012	143	53	37.1
Jun 2012	72	21	29.2
Jul 2012	99	36	36.4
Aug 2012	131	57	43.5
Sep 2012	88	21	23.9
TOTAL	1,285	456	35.5

**TABLE 6b: NON PRASA NON TRANSIENT-NON
COMMUNITY SYSTEMS BACTERIOLOGICAL
SURVEILLANCE MONITORING**

MONTH	Number of samples taken	Number of positive samples	% positive
Oct 2011	16	0	0.0
Nov 2011	31	2	6.5
Dec 2011	13	0	0.0
Jan 2012	16	1	6.25
Feb 2012	28	3	10.7
Mar 2012	20	0	0.0
Apr 2012	16	2	12.5
May 2012	25	3	12.0
Jun 2012	18	0	0.0
Jul 2012	16	0	0.0
Aug 2012	29	3	10.3
Sep 2012	14	0	0.0
TOTAL	242	14	5.8

2.5.2.4 Related Non PRASA community systems under Strategy, the following table details the bacteriological monitoring compliance and disinfection.

**TABLE 6c: NON PRASA BACTERIOLOGICAL
SURVEILLANCE MONITORING**

Bacteriology Surveillance Monitoring	Community Systems Under Non PRASA Strategy
Total of systems	180
Samples Taken	969
Negative samples	619
% of negative samples	64%
Systems with disinfection	142
% of disinfection	79%

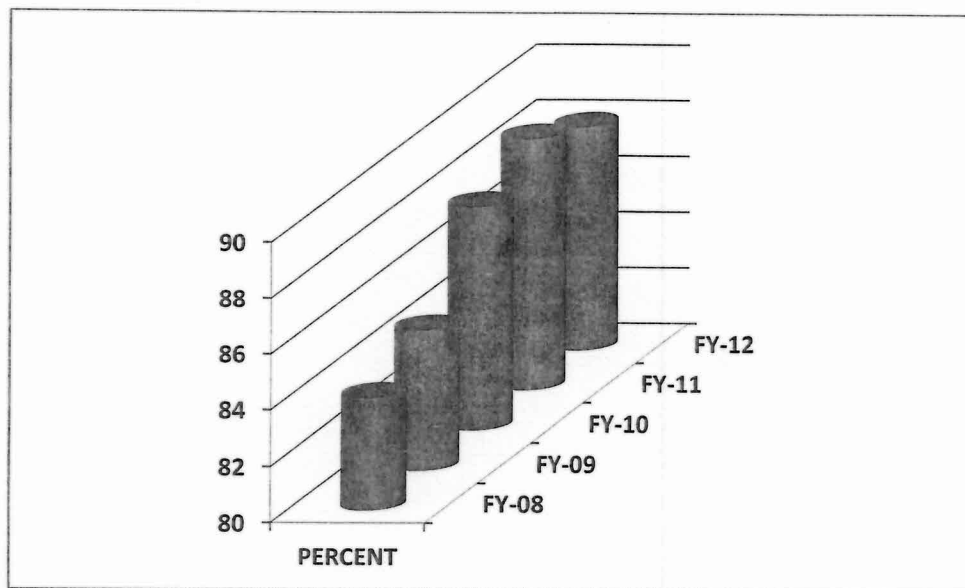
2.5.2.5 As part of PRPRDOH surveillance monitoring, a total of 752 samples were analyzed for turbidity on PRASA systems and 302 on Non PRASA systems.

2.5.3 COMPLIANCE MONITORING

2.5.3.1 A total of 39,079 bacteriological analyses were performed by PRASA as part of its compliance monitoring. Out of these, 249 samples or 0.64 percent were found positive. See Attachment 5 for more details.

2.5.3.2 A total of 24 bacteriology maximum contaminant level (MCL) violations were reported for 21 PRASA systems. From a total of 177 PRASA systems, 156 or 88 percent did not exhibit bacteriology violations from October 2011 to September 2012. See Attachment 6 for systems' details. The next figure describes the percent of PRASA systems without MCL bacteriological violations in the last years.

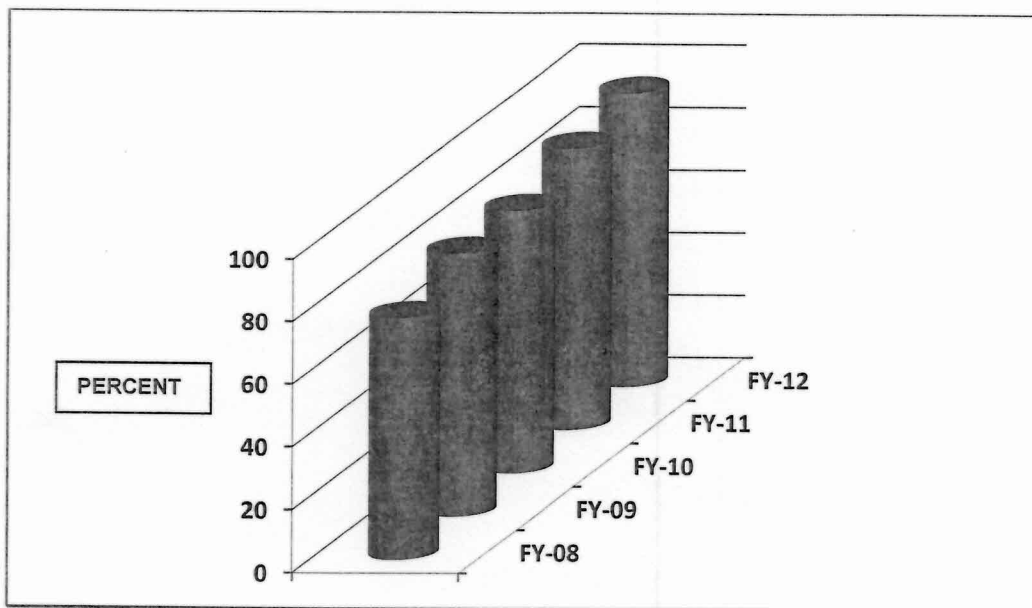
FIGURE 2: PERCENT OF PRASA SYSTEMS WITHOUT MCL BACTERIOLOGY VIOLATIONS FROM FY 08 THRU FY 12



2.5.3.3 A total of one (1) bacteriology monitoring reporting (MR) violation was reported in one (1) PRASA system. From a total of 177 PRASA systems, **176** systems (**99%** percent) did not exhibit MR violations from October 2011 to September 2012. See Attachment 6 for systems' details.

2.5.3.4 A total of **13** treatment technique (TT) turbidity violations were reported in **7** PRASA systems. From a total of **108** systems with filtration plants, **101** systems (**93%** percent) did not exhibit turbidity violations during FY-12. The next figure describes the percent of PRASA systems without TT turbidity violations in the last years. See Attachment 6 for systems' details.

FIGURE 3: PERCENT OF PRASA SYSTEMS WITHOUT TURBIDITY VIOLATIONS (TT) FROM FY 08 THRU FY 12



2.5.3.5 From a total of 296 Non-PRASA systems, 92 bacteriology MCL violations were reported in 45 Non-PRASA systems. On the other hand, in regard the bacteriology monitoring/reporting (MR) violations, a total of 1,711 MR violations were registered in 180 Non PRASA systems. See Attachment 7 for systems' details.

2.5.3.6 From a total of 114 Non-PRASA surface water systems, ten (10) are in compliance with filtration technique.

2.5.4 ENFORCEMENT ACTIONS

2.5.4.1 PRASA submitted analyses results for Bacteriology, Turbidity, Total Trihalomethanes, Regulated Volatile Organic Chemicals (VOC), Synthetic Organic Chemicals (SOC), Pesticides, Herbicides, PCB's, Nitrates, among others. All results were evaluated in order to determine compliance with the drinking water regulation (MR and MCL violations). During FY-12, the following enforcement actions were taken in PRASA's systems:

TABLE 7: PRASA ENFORCEMENT ACTIONS

ENFORCEMENT ACTIONS*	QUANTITY
Notices	11
Warning Letters	5
Notices of Violation	37
Follow up actions- Amended Transaction Agreement	100

*Data does not include regional enforcement actions

- 2.5.4.2 In regard to the Non PRASA systems, the following enforcement actions were taken during FY-12:

TABLE 8: NON PRASA ENFORCEMENT ACTIONS

ENFORCEMENT ACTIONS	QUANTITY
Legal Notifications and Boil Water Orders	2,220
Notices of Violation	5
State Administrative Orders	14

- 2.5.4.3 In regard to the Lead and Copper Rule, the Projects Review Section evaluated 15 projects in order to enforce the Lead Prohibition. Other enforcement actions are described below.

TABLE 9: LEAD AND COPPER COMPLIANCE SUMMARY

ACTIVITY	STATUS	
	PRASA	Non PRASA (NTNC)
Corrosion Control Treatment	13	7
Systems exceeding lead and/or copper action levels and Desktop Evaluations were requested.	5	0
Systems under MR for failure to monitor/report	112	5
Desktop Evaluations received	5	2

2.5.5 PROJECT REVIEW SECTION

- 2.5.5.1 A total of 24 plans were submitted and reviewed during FY-12. Out of these, 17 were approved and 7 were pending for approval. The revision included new and substantially modified water supply facilities.
- 2.5.5.2 A total of 16 projects onsite inspections were performed.
- 2.5.5.3 Assistance to water utilities on the proper design and construction of drinking water treatment facilities was provided.
- 2.5.5.4 Review and endorsement of construction plans for Non PRASA water facilities improvements continued.
- 2.5.5.5 A total of 21 technical assistances were done.

2.5.6 LABORATORY CERTIFICATION

- 2.5.6.1 The PRDOH Quality Control/Certification and Accreditation Section inspected PRASA and Private Laboratories. Several fields follow up audits and onsite visits were performed. Correction Plans, Laboratory Manuals and files were evaluated.
- 2.5.6.2 Sample collectors were certified from government and private facilities.
- 2.5.6.3 The Quality Management Plan (QMP) for FY 2012-2014 was submitted to EPA by September 28, 2011.
- 2.5.6.4 The Laboratory Certification Program has already certified the following laboratories. See Attachment 8 for more details.

TABLE 10: LABORATORY CERTIFICATION STATUS

NAME	LOCATION
ACUALAB	Humacao, PR
ALCHEM LABORATORIES	Ponce, PR
AMA ANALYTICAL SERVICES	Lanham, MD

NAME	LOCATION
AMERICAN WATER BELLEVILLE LAB.	Belleville. IL
BECKTON ENVIRONMENTAL LAB.	Ponce, PR
ENVIRONMENTAL QUALITY LABORATORIES	Santurce, PR
LAB. CLÍNICO ANALÍTICO	Ponce, PR
NATIONAL TESTING LABORATORIES	Ypsilanti, MI
PACE ANALYTICAL SERVICES	Ormond Beach, Florida Minneapolis, MN Greensburg, PA
PRASA LABORATORIES	Arecibo, Mayagüez, Ponce, Caguas (PR)
PRPRDOH LABORATORIES	Arecibo, Mayagüez, Ponce, San Juan (PR)
TEST AMERICA INC.	Savannah, GA
NORTH COAST SUPERACUEDUCT	Arecibo, PR
UNDERWRITERS LAB.	South Bend, Indiana

2.5.7 SEMINARS/TRAINING

2.5.7.1 As part of continuing education, the following trainings/ lectures were offered to PRDOH staff:

- Workshop - *Prueba de Jarra: Herramienta para el Control de Proceso y Optimización* - San Juan, PR. May 8, 2012.
- Workshop - *Filtración por Membrana* - San Juan, PR. May 8, 2012.
- 18th Drinking Water Seminar -San Juan, PR. May 9-10, 2012.
- Training: Drinking Water Operator Certification - Caguas, PR. November, 2011
- Training: Wastewater Operator Certification- Caguas, PR. November, 2011
- Program Workshop. June 25-28, 2012. Chicago, IL.
- Annual AWWA Conference and Exposition. June, 2012. Dallas, TX.
- Introduction to Command System for Incident Management ICS-100B and IS-700. Puerto Rico
- IS-800b National Response Framework and Introduction. Puerto Rico.

- IS-200b-ICS for Single Resources and Initial Action Incident. Puerto Rico.
- Lecture: *Promoción de la Salud*. UPR-RCM
- Enforcement Targeting Tool and Capacity Webinars
- Lecture: *Mejoramiento de Calidad*. PRDOH
- Lecture: *Sustancias Controladas*. PRDOH
- Lecture: *Brotes Epidémicos*. UPR-RCM

2.5.8 DATA MANAGEMENT

- 2.5.8.1 All required reports were submitted for FY-12.
- 2.5.8.2 All required reports were kept for FY-12.
- 2.5.8.3 The inventory of public water supply systems was quarterly updated and maintained. The inventory was updated on August 29, 2012.
- 2.5.8.4 A record keeping system has been established to monitor water quality sampling and analytical results.
- 2.5.8.5 PRPRDOH continues the implementation of the SDWIS/STATE (Safe Drinking Water Information System) software as well as submitted the required data and reports to EPA.

2.5.9 PUBLIC PARTICIPATION

- 2.5.9.1 The main activities carried out during FY-12 were related to the 18th Drinking Water Seminar.
- 2.5.9.2 Orientations provided to the owners of Non-PRASA systems throughout the Island (four regions) regarding the Operator Certification Program.

2.5.10 SPECIAL REPORTS

- 2.5.10.1 The PWSS Program prepared several special reports during FY-12 as follows:
 - Environmental Health Annual Report 2011-2012.

- Non PRASA Enforcement and Compliance Achievement Report.
- Puerto Rico 2011 Annual Report on Public Water Systems Violations.
- Annual Report FY - 11
- ETT Lists Quarterly Reports
- End of Year FY-11 Report

2.6 SPECIAL PROJECTS

2.6.1 COUNTER-TERRORISM COORDINATION PROGRAM

The Counter-Terrorism Coordination Program is implemented through Grant No. WP-9827930. The most relevant activities performed during FY-12 were:

- Discussed with the contractor the need to modify the project's proposal and budget to execute an amendment to the contract agreement.
- Received, evaluated and approved new proposal submitted by the contractor.
- Prepared new contract agreement and submitted to the consultant for its evaluation, and signature.
- Determined and selected new group of systems to participate in project.
- Evaluated and approved contractor progress reports and invoices.
- Held progress meetings with contractor.
- Prepared and submitted Grant Annual Report to EPA.

2.6.2 UNREGULATED CONTAMINANT MONITORING REGULATION CYCLE 3 (UCMR-3)

The UCMR3 is proposing to require a determined selected group of PWS to conduct monitoring for List 1, List 2, or List 3 unregulated contaminants. During 2012, the following activities were performed by PRPRDOH in accordance with the Partnership Agreement (PA).

- Review the PR's draft State Monitoring Plan to verify proper classification of systems and submitted it to EPA.

- Assembled the Large System Inventory (LSI) in the formatted spreadsheet template and submitted it to EPA.
- Registered in Central Data Exchange (CDX).
- Provide the proper PWS Inventory data for each PWS to use for reporting their monitoring data.
- Notified PWSs that are required to monitor under the UCMR3 and certified it to EPA.
- Evaluated the final supplemental State Monitoring Plan (SMP) and notified the PWSs that are required to monitor.
- Provided assistance to Great Lakes Environmental Center (GLEC) and EPA as needed and requested.

2.6.3 TECHNICAL ASSISTANCE SUPPORT (TAS)

The PRPRDOH established a Technical Assistance Support (TAS) as part of the DWSRF Program. The purpose is to use the DWSRF set-aside limited resources effectively and efficiently. The TAS established within others the following priorities and projects: Capacity Development and Circuit Rider Programs.

The most relevant activities performed during FY 2012 were:

- Prepared and developed a Request for Proposal (RFP) for the Circuit Rider Program.
- Evaluated and approved the selected contractor's proposal.
- Begin negotiations with the contractor to enter into a contract agreement.
- Prepared and developed a contractual agreement.
- Provided the contractor copy of the required documents to be used under the project for evaluation and comments.

2.7 ANNUAL DRINKING WATER SEMINAR

2.7.1 On May 9 and 10, 2012, the 18th Drinking Water Seminar was celebrated at the Puerto Rico Convention Center located in the municipality of San Juan, Puerto Rico. This event was sponsored by the Puerto Rico Department of Health (PRPRDOH), Environmental Protection Agency (EPA) and the American Water Works Association (AWWA-PR).

2.7.2 Two days seminar and exposition consisted of a combination of simultaneous and plenaries conferences of relevant topics concerning drinking water regulation, public health, water treatment technology and research, among others. A day before the Seminar, two workshops

were offered. The workshops topics were Jar Test and Control Process and Filter Membrane Technique.

- 2.7.3 During the Seminar, an Award Ceremony was carried out and several Non PRASA systems were recognized for their efforts to comply with drinking water regulations.

TABLE 11: LIST OF NON PRASA SYSTEMS RECOGNITION 2012

Award	System	PWS ID	Municipality
First- Excellence	Mamey	556055	Patillas
Second – Self Improvement Compliance	Hacienda del Rey	613486	Caguas
Third – Community Participation	Acueducto Comunidad Sector La Sierra	613366	Caguas

- 2.7.4 This year, the American Water Works Association granted their most important recognition, the “George Warren Fuller Award”, to Mr. Gerardo Sarriera, President of Environmental Quality Laboratories, for his outstanding performance in the water treatment field.

3.0 DRINKING WATER STATE REVOLVING FUND

The Drinking Water State Revolving Fund (DWSRF) Program, established by the SDWA, is a financing program for the construction of drinking water infrastructure. Low rate loans provide the financing mechanism for enabling the compliance of the public drinking water systems with the SDWA. It provides an alternative to the drinking water systems for obtaining the economic resources that will foster and facilitate the compliance with the federal law. It enables the development of technical, financial and administrative capacity of the systems in order for these to operate in compliance with the SDWA. It also promotes the establishment of contamination prevention programs from source to tap.

Following, the most relevant achievements and activities of the last year are described:

3.1 INTENDED USE PLAN (IUP)

- On December 6, 2011, PRDOH requested FFY 2011 Capitalization Grant funds in the amount of \$9,418,000, which were granted on January 26, 2012. Its terms and conditions were accepted on February 3, 2012.
- The Financial Agreement corresponding to the FFY 2011 funds

was executed on February 16, 2012 in the amount of \$21,528,875, of which \$17,761,675 was loaned and the remaining amount of \$3,767,200.00 was subsidized as a grant. This agreement included repayment funds available.

- On May 4, 2012, PRDOH requested FFY 2012 Capitalization Grant funds in the amount of \$8,975,000, which were granted on September 28, 2012. Of this amount, \$9,814,489 will be loaned and the remaining amount of \$1,795,000 will be subsidized as a grant.
- During FFY 2012 PRDOH was able to complete the disbursement of the \$19.5 million funds of the American Recovery and Reinvestment Act (ARRA) funds, one year before the new deadline for the use of these funds established by EPA.
- Four (4) projects initiated operation from the ARRA Grant: (Hatillo, Sergio Cuevas, Yauco, Aibonito).
- On September 28, 2012, the FY 2010 funds Financial Agreement in the amount \$ 23,117,148, was executed. Of the total amount of the Agreement, \$17,687,948 was loaned and the remaining amount of \$5,429,200 was subsidized as a grant. This agreement included repayment funds available.
- PRDOH has been able to comply with all required reports under the ARRA grant, as well as under the DWSRF Program.
- The "*Drinking Water State Revolving Fund for fiscal Years 2011 and 2012 Biennial Report*" was submitted to EPA on January, 2012, in compliance with the deadline time extension granted.
- In compliance with the law, PRPRDOH on December 19, 2011 undertook the public participation process hearing on the FY 2011 funds and on May 31, 2012, on the FY 2012 funds as required for the Capitalization Grant requests.
- On May 24, 2012, the FY 2004 and FY 2005 Grants in the amounts of \$13,290,600 and \$13,262,520, respectively, were closed. The FY 2001 grant was also closed.
- The total annual amount of funds cash drawn for projects as of September 30, 2012 was \$7,910,682.38. Of this amount, \$281,871.46 corresponds to the regular DWSRF Program and \$7,628,810.92, to the ARRA grant. During FFY 2012. PRDOH was able to disburse all the ARRA funds disbursement as of September 30, 2012, one year before the requested deadline.
- Also, PRDOH was able to put in operation ten projects out of the eleven financed with the ARRA funds.

- Construction inspections continued for One (1) ARRA project and two (2) DWSRF regular program projects of FY 2008 and previous (Yauco, Phase I and Las Marías, Phase I).
- Inspections started for five (5) DWSRF regular Program projects, for 5 ARRA optimization projects and for five projects of the FY 2009 funds (Caguas Norte, Lares II, Lares III, Hatillo-Camuy-Quebradillas and Ciales-Las Delicias WTP).
- The Annual Performance Status Report, the Operator Certification Report, and the Capacity Development Report on the activities undertaken by the DWSRF were prepared and submitted to EPA in compliance with the deadlines.
- As of September 30, 2012, the following five projects financed with the 2009 ARRA funds, initiated the repayment of their loans on August 31, 2012.

TABLE 12: ARRA FUNDS SUMMARY

2009 ARRA Funds (Optimization Program) Financial Agreement	Loan Amount (Per Project)
Barceloneta Water Distribution System	\$3,128,280
Guánica Water Distribution System	\$498,309
Guaynabo Water Distribution System	\$537,863
Caimito Water Distribution System	\$459,309
Humacao Water Distribution System	\$99,509

TABLE 13: GRANTS ACHIEVEMENTS SUMMARY

GRANTS					LOANS		
Fiscal Year	Date Awarded	Amount	Projects Funded	Grant Closeout Date	No. of Loans	Loan/Financial Agreement Executed	Date Executed
2001	9/30/02	\$11,183,800		2/03/12			
2004	9/13/05	\$11,075,500		4/24/12			
2005	8/30/06	\$11,052,100		4/24/12			
2010	8/30/11	\$13,573,000	seven	--	One	\$12,758,620	9/28/12
2011	1/26/12	\$ 9,418,000	two	--	One	\$17,761,675	2/16/12
2012	9/28/12	\$ 8,019,489	two	--	--	--	--

3.2. INFRASTRUCTURE PROJECTS

The DWSRF provides funds for promoting infrastructure improvements that will facilitate the compliance of the public drinking water systems with the SDWA. The following tables show the construction status of all the infrastructure projects financed by the ARRA and the DWSRF regular program:

TABLE 14: DWSRF REGULAR PROGRAM INFRASTRUCTURE PROJECTS

PWSID	Name project	Approved Funds (\$M)	Construction Status
3363	Las Marías FP (Phase I)	12.2	99%*
4313	Yauco Filtration Plant, Raw Water and Distribution	12.6	Phase I - 75%
4745	Guayama Urbano WTP	3.5	Started construction
3323	Lajas-San Germán	2.8	Started construction
Total		\$42.2	

* Project started operation.

TABLE 15: AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) FUNDS INFRASTRUCTURE PROJECTS

PWSID	Name project	Approved Funds (\$M)	Construction Status
2662 (a)	Hatillo-Punta Brava	3.2	100%
4545 (a)	Aibonito-La Plata	2.6	97%
2702 (b)	Utua Urbano	0.832	100%
4314 (b)	Yauco-La Jurada	1.4	100%
2591 (e)	Sergio Cuevas - Compliance	4.2	100%
3363 (b)	Las Marías IIA	5.6	84%
Total		\$17.832	

PRPRDOH revised and determine seventeen (17) drinking water projects eligible for receiving assistance for infrastructure construction under the DWSRF.

3.3. CAPACITY DEVELOPMENT

PRPRDOH continued undertaking, general regular day-to-day activities, coordination, and follow-up. PRPRDOH did not request funds under this set-aside. Nonetheless, PRPRDOH has various responsibilities concerning the Capacity Development and the Capacity Development Assurance Plan and certain related activities were undertaken that were detailed in the *Performance Status Report for fiscal year 2012* submitted to EPA.

However, PRPRDOH has been able to continue with the identification and coordination efforts for assessing and assisting existing systems by providing support to the PWSS Program, including but not limited to the following activities:

In summary, during FFY 2012 PRPRDOH was able to undertake important activities related to Capacity Development as follows:

- Develop a RFP to provide assistance to 48 public water systems through the use of the Circuit Riders concept and expand the Circuit Riders project directed towards but not limited to: systems' compliance evaluation with the SDWA and regulations, inspections, technical, administrative and financial status evaluation for the

identification of problems/limiting factors in said areas, guidance and assistance in community organization, technical assistance and education for eliminating limiting factors, guidance and assistance in the search of external additional resources, provide training and assessment on public environmental health issues. Also the contract was designed and prepared. Execution is pending due to election prohibition period

- Provide assistance to authorized entities conducting comprehensive performance evaluations (CPE's), including revisions of CPE's.
- Evaluate proposed Commonwealth legislation associated to small systems.
- Assist the PWSS program in conducting approximately 40 small systems sanitary surveys.
- Continue the implementation of the PR Technical Assistance Support (TAS) program in order to carry out assistance initiatives in concert with other Commonwealth agencies.
- Assess approximately 50 systems in the organization process in order to conduct them towards compliance with Commonwealth, federal laws and regulations.
- PRPRDOH has continued undertaking all the compliance activities and enforcement actions established in the Non-PRASA strategy, which is contained in the Capacity Development Strategy.
- PRDOH continued enforcing the Legal Authority provided by the existing statutes with respect to the Capacity development Program in evaluating the establishment of new systems as part of the endorsement and permitting process.
- As of today, this Department has implemented in the Public Water Supply Supervision Program (PWSS), the Capacity Development and the DWSRF programs actions to reflect the new Enforcement Response Policy (ERP) and the Enforcement Targeting Tool (ETT). PRPRDOH is currently undertaking the transition from the evaluation of systems through the traditional Historical Significant Non Compliance to ETT. PRPRDOH has complied with the quarterly reporting required with the ETT and it is the intention to continue doing so, as well as to provide certain information/details related to the ETT in the Capacity Development Report once the policy is in force.
- The implementation of the Capacity Development Strategy PRPRDOH bears continuous advises to the systems on the new requirements established in the law. Up to date, PRPRDOH has evaluated eight (8) new systems under these terms and approved

seven (7) for operation. The following table discloses this information.

TABLE 16: PRPRDOH CAPACITY DEVELOPMENT STRATEGY

Method(s) used to evaluate and verify program implementation	FY 03	FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	FY 10	FY** 11	FY 12	Total
Proposed new CWSs	6	1	1	0	0	0	0	0	0	0	8
Proposed new NTNCWSs*	1	0	0	2	1	0	1	1	1	0	7
Approved new CWSs	3	4	0	0	0	0	0	0	0	0	7
Approved new NTNCWSs	0	0	0	0	0	0	0	0	0	0	0
New CWS's commenced operation after 10/1/01	3	4	0	1	0	0	0	0	0	0	8
New NTNCWSs commenced operation after 10/1/01	0	0	0	1	2	1	0	1	0	0	5
New CWS's that are not in compliance/reason for Non-compliance	-	-	-	-	-	-	-	-	-		-
New NTNCWs that are not in compliance /reason for Non-compliance	-	-	-	-	-	-	-	-	-		-

* Only comments issued.

**numbers provided as of 8/26/11

3.4. OPERATOR CERTIFICATION PROGRAM

PRPRDOH established through Act No. 53 for the Certification of Operators of Drinking Water Treatment Systems and/or Plants an Operator Certification Program in accordance to the SDWA, which requires that all public drinking water systems have to operate under the direct supervision of a certified operator with the license for the corresponding class and category.

As of FY-2012, PRASA has a total of 124 filtration plants associated to the 108 surface water systems for FY-2012. One filtration plant was eliminated during this year. PRPRDOH personnel visited all drinking water filtration plants at least one time during FY- 2012.

PRASA submitted an updated Public Water System Classification for all their systems in October 2, 2009. After several meetings with PRASA to discuss discrepancies, the PRPRDOH determined the final category for the surface water systems by September 23, 2010. The category for the existing systems did not change for FY-2011 and FY-2012, but it is necessary to update the inventory due to systems elimination.

**TABLE 17: PRDOH OPERATOR CERTIFICATION PROGRAM
STATUS BY CATEGORY - SURFACE SYSTEMS/PLANTS**

PRASA PLANT CATEGORY		
Category	PRDOH Category 2011	PRDOH Category 2012
I	0	0
II	21	21
III	81	81
IV	23	22
Total	125	124

Based on PRPRDOH's final category, the plants are divided by region, as follows in 2012:

**TABLE 18: PRDOH OPERATOR CERTIFICATION PROGRAM
STATUS BY REGION**

PRASA Plant Category by Region 2012					
Region	I	II	III	IV	Total
Metro	0	1	2	4	7
East	0	1	24	7	32
North	0	6	24	2	32
South	0	8	19	5	32
West	0	5	12	4	21
Total	0	21	81	22	124

During FY-2012, ten (10) ground water systems were closed and no new systems were put into operation. The following table shows the PRASA ground water systems (GWS) by region:

TABLE 19: PRASA GWS BY REGION

Region	YEAR		
	2010	2011	2012
Metro	0	0	0
East	11	10	8
North	25	22	17
South	30	32	30
West	14	15	14
Total	80	79	69

PRPRDOH determined the final ground water PWS categories in September 30, 2010. Since 2010 the categories for the existing GWS has not change, but it is necessary to update the inventory annually due to systems addition and/or elimination. Based on PRPRDOH's updated category inventory, the GW PRASA systems are divided by region as follows in 2012:

**TABLE 20: PRDOH OPERATOR CERTIFICATION PROGRAM
STATUS BY CATEGORY - GROUND SYSTEMS**

GW PRASA Systems Category by Region 2012					
Region	I	II	III	IV	Total
Metro	0	0	0	0	0
East	8	0	0	0	8
North	17	0	0	0	17
South	30	0	0	0	30
West	14	0	0	0	14
Total	69	0	0	0	69

Coordination with the Board of Examiners regarding the process of administering the examination for operator's certification was maintained during this year. For the FY 12, two examinations were administered: (1) November 2011 and (2) April 2012.

The Board issued a total of 226 new drinking water category licenses during the period of 2011-2012. The following table describes the percent of candidates that have approved the examination and are licensed certified operators for drinking water systems and/or plants by type and category up to September 2012.

**TABLE 21: TOTAL NUMBER OF LICENSED OPERATORS
BY CATEGORY**

Categories	Licenses Issued 2012	Percent (%) 2012
I	60	26
II	22	10
III	22	10
IV	122	54
Total	226	100

There is at least one operator associated to each of the operating shifts of each treatment plant, which in turn is under the supervision of one or more managerial personnel. These management/supervisory personnel are certified operators associated to the five regions.

Concerning the Operator Certification Expense Reimbursement Grant Program within others the following tasks were undertaken during FY 2012:

- Continue the oversight of the contractual agreement in place for the administration of the Operator Certification Program.
- An amendment (no cost time extension) to the contractual agreement in place was developed in order to complete

programmed activities to continue the Operator Certification Program. The amendment was awarded in September 2012.

- FY 2012 contract implementation activities for 26 systems:
 - Completion of project work plan. Modified work plan according to amendments to contractual agreement.
 - Initial visit performed to 16 systems for a total of 26 systems to evaluate operators training needs.
 - Finalize preparation of individual system training plans (26 systems).
- A total of 103 monthly visits were performed to 20 systems to provide operator training and technical assistance.
- Project system selection:
 - Twenty five (25) systems were contacted through phone calls to determine project final participant systems.
 - Information regarding Law 53 and requirements to obtain an operator license was provided to the selected system operators.
 - A training course manual was provided to the selected system operators.
- Approximately 11 meetings were held with the contractor to discuss the coordination of the pending activities of the contract agreement as established in the approved work plan.
- Evaluated eleven (11) invoices and Progress Reports, and prepared eleven (11) evaluation reports regarding the activities performed by the contractor of the Expenses Reimbursement Grant (ERG).
- One (1) train-the-trainer workshop was provided to PRPRDOH personnel on November 2011.
- Fifty (50) operator exam applications were submitted to the Board up to September 2012.
- Thirty one (31) license applications have been submitted during 2012.
- One (1) orientation workshop for system's operators was performed in December 2011.
- Technical assistance and orientation has been provided to systems regarding available trainings, application for examination, law requirements, certification and license process, and others.

- Prepared and developed a work plan for the activities that will be undertaken during the project period FY 2012.

3.5 TECHNICAL ASSISTANCE

This Program provides assistance and orientation in areas such as infrastructure, source, treatment, storage and distribution of the systems with the intention of improving the physical and operational ability of the system in order to promote compliance with the requirements of the law. During the last year the following activities were undertaken:

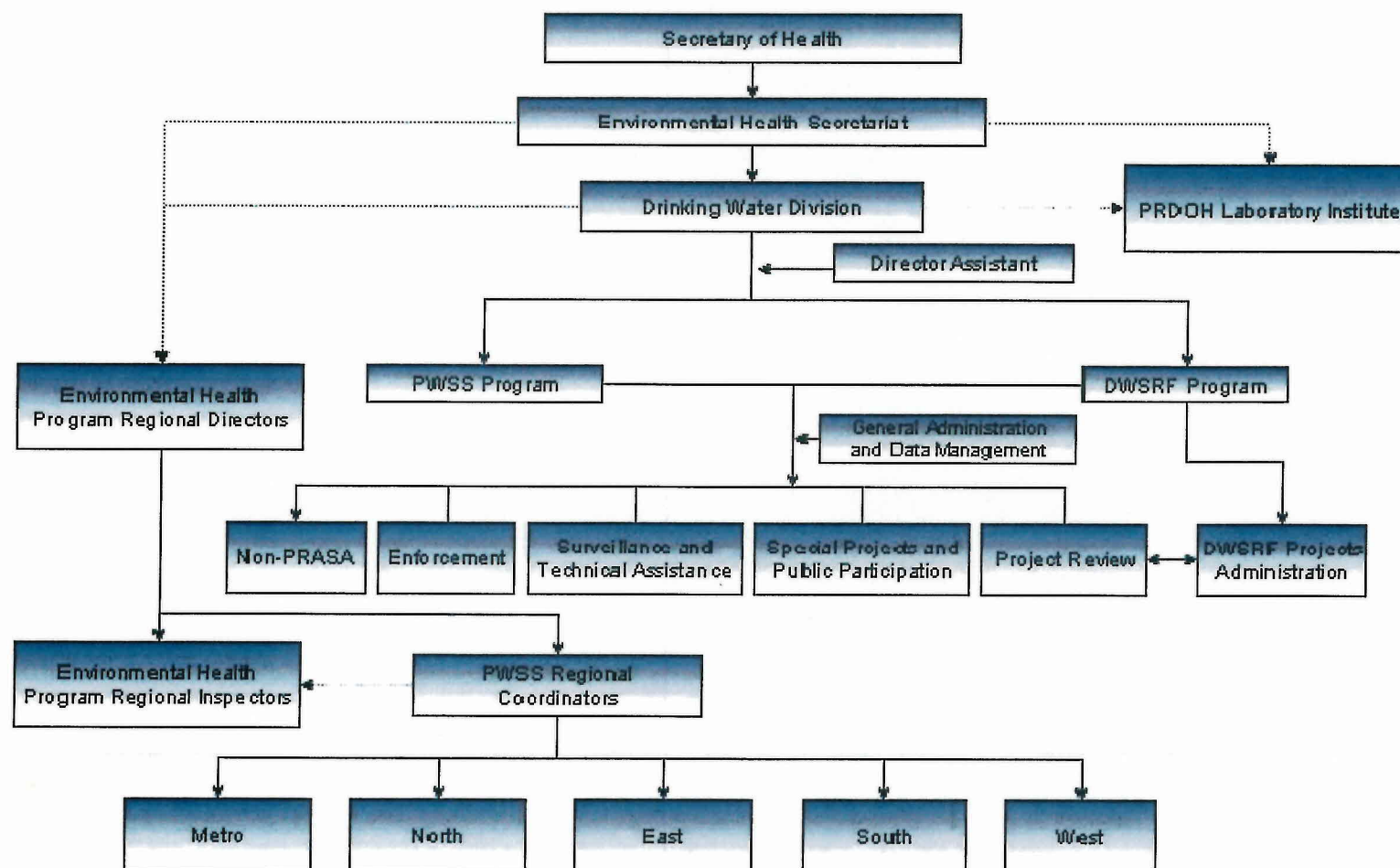
**TABLE 22: DWSRF TECHNICAL ASSISTANCE
PROGRAM ACHIEVEMENTS**

OUTPUT	OUTCOMES / ACHIEVEMENTS
Validate Comprehensive Performance Evaluations (CPE's) methodology for approximately 15 small systems	Evaluate interim and final compliance profiles of approximately 15 systems in order to provide assistance for promoting and attaining compliance. As of September, 2012, twenty-five (25) systems were evaluated.
Continue providing orientation on funds availability to 50 small systems through site visits, meetings, written communications or telephone calls	Increase knowledge of and compliance with the requirements of the SDWA. For this current year 50 systems were oriented and they increased their knowledge and are aware of the requirements.
Attend seminars and workshops (1) as part of the training to DWSRF personnel	Stay current with information related to new requirements of the SDWA. Attended least three (3) seminars.
Support PWSS program in the inspection of approximately 70 small systems	Assist systems and communities in determining and assessing compliance limiting factors in order to promote compliance. As of September, 2012, seventy seven (77) inspections to community systems were undertaken.
Guide approximately 300 small systems in the preparation of their Consumer Confident Reports (CCR's)	Increase the knowledge of systems in an effort to reduce violations. As of September, 2012, two hundred forty-nine (249) systems were assisted.
Undertake approximately 50 small systems sanitary surveys	Educate operators in an effort to promote public health, outline necessary improvements and reduce Non-compliance. As of September, 2012, forty (40) Sanitary Surveys were undertaken.
Identify services necessary for compliance, based on the revised CPE	Improve compliance of systems that have CPE's. As of September 2012, for ten (10) Non-PRASA small systems certain related services were identified and sixteen (16) PRASA.
Educate small systems on DWSRF program requirements, compliance actions, fund requests and systems evaluations	Increase systems knowledge regarding compliance requirements. Technical assistance and assessment was provided to 209 Non-PRASA systems.
Assess approximately 15 systems in the organization process	Conduct approximately 25 systems towards compliance with Commonwealth and federal laws and regulations.

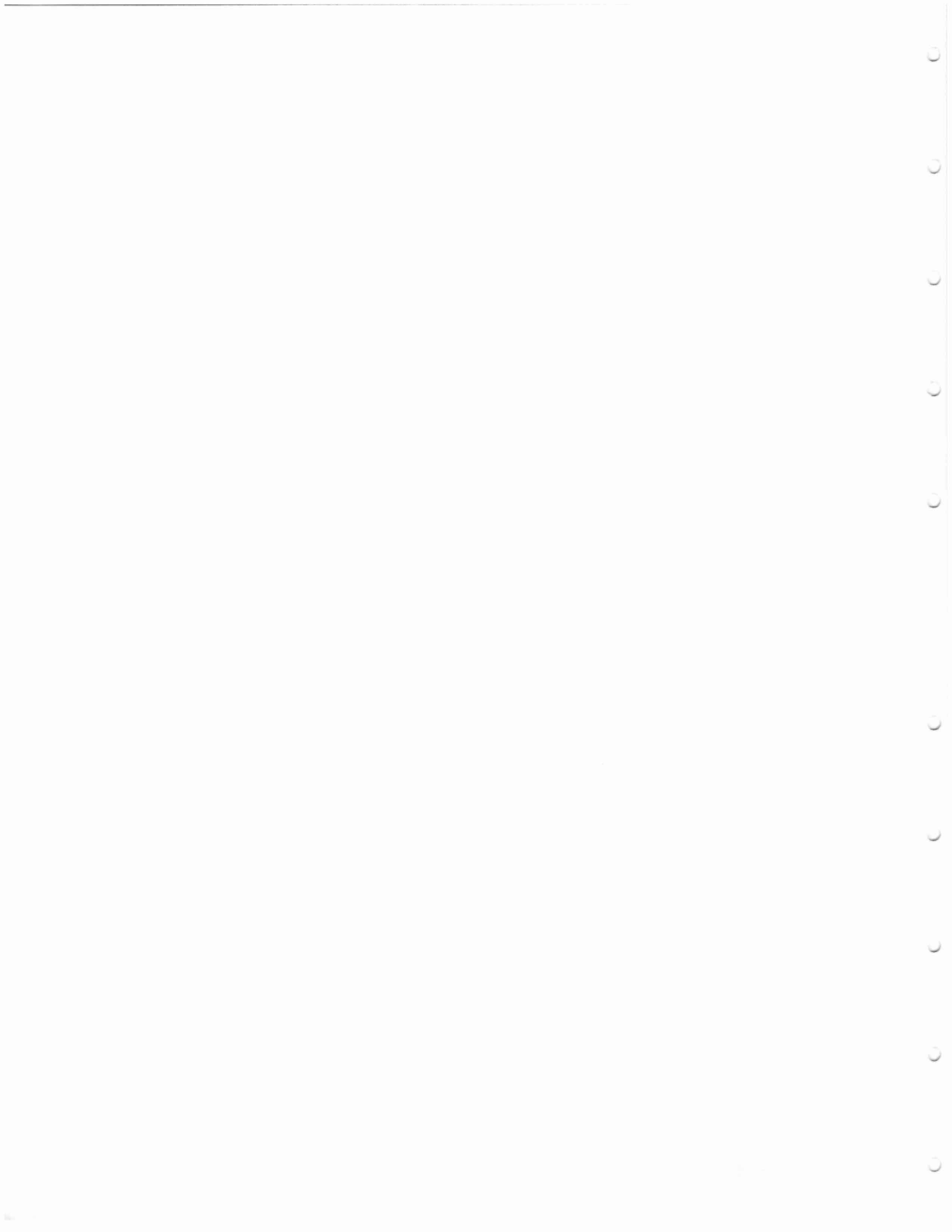
During FY 2012 all our anticipated Outputs and Outcomes regarding the Technical Assistance Program were achieved and within others the following activities were undertaken:

- Develop a RFP to provide assistance to 15 public water systems through the use of the circuit riders concept and expand the circuit riders project directed towards but not limited to: systems' compliance evaluation with the SDWA and regulations, inspections, technical, administrative and financial status evaluation for the identification of problems / limiting factors in said areas, guidance and assistance in community organization, technical assistance and education for eliminating limiting factors, guidance and assistance in the search of external additional resources, provide training and assessment on public environmental health issues
- Provide assistance to authorized entities conducting comprehensive performance evaluations (CPE's), including revisions of CPE's.
- Prepare a request for proposal and design and execute a new contract to provide assistance and support to 15 new small systems to implement a project to introduce security and emergency response concepts.
- Oversight to a contract for providing assistance and support to 15 small systems to implement a project to introduce security and emergency response concepts.
- Evaluate proposed Commonwealth legislation associated to small systems.
- Assist the PWSS program in conducting approximately 50 small systems sanitary surveys.
- Continue the implementation of the PR Technical Assistance Support (TAS) program in order to carry out assistance initiatives in concert with other Commonwealth agencies.
- Assist the PWSS program in performing field inspections of small systems.
- Collaborate with the PWSS program in enforcement and compliance activities, including, assisting and guiding small systems.
- Assess approximately 50 systems in the organization process in order to conduct them towards compliance with Commonwealth, federal laws and regulations.
- Continue providing technical assistance to 50 communities under circuit riders established by PRDOH.

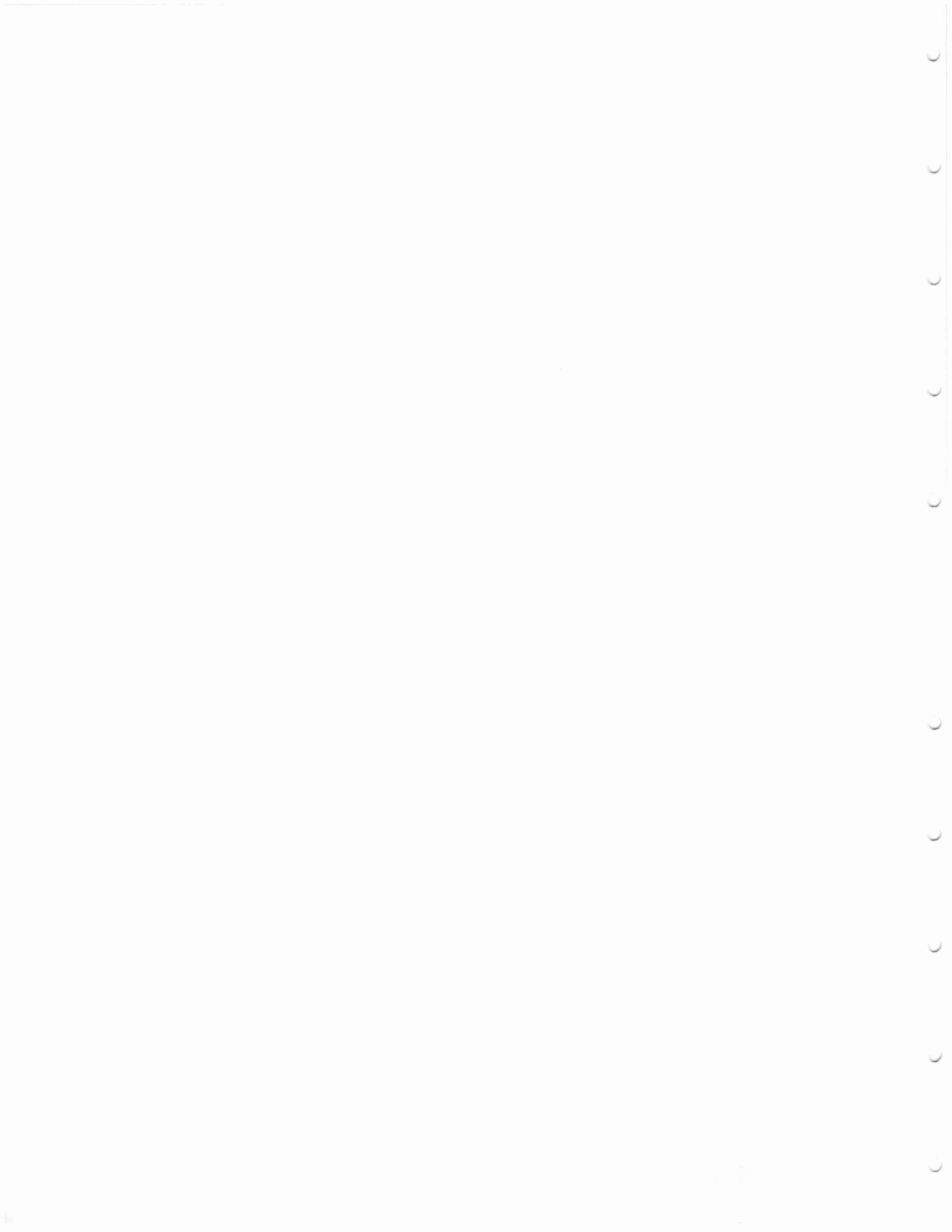
ATTACHMENT 1



ATTACHMENT 1



ATTACHMENT 2




GOBIERNO DE PUERTO RICO
Departamento de Salud
División de Agua Potable



November 26, 2012

Eng. Javier O. Torres, P.E.
Director
Public Water Supply
Supervision Program
Department of Health


Zaida Roig Franceschini, EIT
Regional Engineer
South Team

Annual Report FY-12

The main activities performed during the Fiscal Year -2012 were:

- **PRASA Systems**

- Sanitary Surveys to the following systems:

▪ Maunabo	4815
▪ Coamo	3914
▪ Ensenada	4084
▪ Rio Loco	4094
▪ Santa Isabel	3904
▪ Experimental	4604
▪ Quebradas	4404
▪ Cocos	4895
▪ Salinas	4885
▪ Guayama	4745
▪ Ponce Urbano	3824
▪ Orocovis	4044
▪ Rancheras	4334
▪ Jagua Pasto	4244

- The following Filtration Plants were inspected in the year:

▪ Lizas	4815
▪ Coamo	3914
▪ Guayama	4575
▪ Ponce Nueva	3824
▪ Ponce Vieja	3824
▪ Orocovis Nueva	4044
▪ Orocovis Vieja	4044
▪ Rancheras	4334
▪ Jagua Pasto	4244

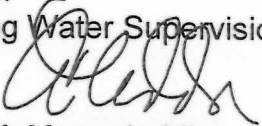
- The following filtration plants were visited during the year:
 - Villalba 3924
 - Apeadero 3944
 - Guaraguao 4114
 - Tanama 4164
 - Adjuntas (Olimpia) 4204
 - Duey 4234
 - Yauco 4314
 - Peñuelas 4324
 - Guayanes 4324
 - Real Anon 4454
 - Malpaso 4464
 - Guilarte 4494
 - Hogares Seguros 4514
 - Coto Laurel 4524
 - Matrulla 4564
 - Tibes 4574
 - Garzas 4584
 - Rucio 4614
 - Jagua Ceiba 4624
 - Aceituna 4624
 - Toa Vaca 4664
 - Matuyas 4825
 - Patillas 4835
- Investigation of Chemical Contaminants
 - Coamo 3914
 - Jagua Ceiba 4624
 - Peñuelas 4324
- Sixty-five (65) enforcement actions were taken.
- Nine hundred forty seven (947) follow up actions were given.
- Thirteen (13) technical assistances were given.
- Six seminars (6) and/or workshops were received.
- Twelve (12) complaints were received.
- Twenty three (23) meeting were attended.
- One hundred three thousand and six (1,306) other activities related to PRASA were done.
- Forty four (44) checkout visited were done.
- One hundred thirty four (134) water pumps station were inspected.
- Fifty three (53) Wells were inspected.
- Two hundred fifteen (215) tanks were inspected.
- Follow up actions of Acuerdo de Transacción PRASA- DOH
- All the filtration plants were visits for checking the laboratory instruments.
- **Non PRASA System**
 - Sanitary Surveys to the following system:
 - Hotel Marbella 439064
 - Estancias del Madrigal 458344
 - PR Internacional Speedway 563145
 - Corporación Azucarera 563015
 - Com. Sabana 455114

- | | |
|----------------------------|--------|
| ▪ Asoc.Pastillo Tibes | 458284 |
| ▪ Pelchas | 431014 |
| ▪ Limani | 401144 |
| ▪ La Jurada | 478044 |
| ▪ Apeadero | 556085 |
| ▪ Albergue Olímpico | 563085 |
| ▪ U.C.P.R. | 458104 |
| ▪ Ac. Comunal Río Chiquito | 458364 |
| ▪ Com. Montería | 422094 |
| ▪ Pellejas Gallera I | 455134 |
| ▪ Los Barros Marín | 556045 |
| ▪ Mulas Sofia | 556135 |
| ▪ Sierrita Caonilla | 476314 |
| ▪ Coamo Arriba | 422084 |
| ▪ Aceituna I | 476224 |
| ▪ Bo. Rubias | 478014 |
| ▪ Campamento Santiago | 563095 |
| ▪ Marin Sector Betancourt | 556145 |
- Eighty (80) checkout visits were done.
 - Two hundred ninety five (295) follow up action were given.
 - Fifteen (15) technical assistances were given.
 - Two hundred thirty two (232) public notifications to boil water were given.
 - Eight (8) meetings were attended.
 - Three hundred sixty two (362) other activities related to Non PRASA systems were done.
 - Four (4) enforcement actions were taken.
 - Thirty four (34) tanks were inspected.

Cc. Mrs. Maria Del C. Quiñones
Ponce Regional Director
Environmental Health Program, DOH

December 10, 2012

Javier O. Torres Urbina, P.E.
Director
Drinking Water Supervision Division



Ayda M. Mercado Miranda
Regional Coordinator, Group Leader
Western Region
Drinking Water Supervision Division

WESTERN REGION ANNUAL REPORT, FISCAL YEAR 2012

The Western Region consist of fifteen (15) counties that are located in the western area of Puerto Rico and was formed due to the new reorganization of the Puerto Rico Aqueduct and Sewer Authority in the Western.

Two engineers and one Environmental Specialist, composed the Western Region of the Drinking Water Supervision Division the last year: Alex Ríos Mejías, Denismar Arocho and this servitor, Ayda M. Mercado Miranda as group leader. Enclosed here are the main activities for PRASA and NON PRASA sections, performed by this group in the Western Region during the past fiscal year 2012:

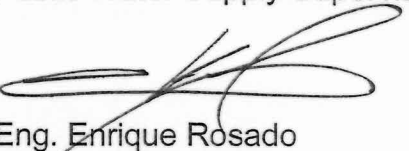
1. **Follow Up Actions** – One hundred sixty nine (**169**) follow up actions were done due to coliform positive samples, low free chlorine levels ($<0.2\text{mg/l}$), high turbidity levels or violations (>1 NTU) on filtration plants, ATE, Incidents Notifications, and other violations.
2. **Seminars Attendance**- We participated of eight (**8**) seminars and Workshops
 - PR Department of Health Drinking Water Seminar Workshop
 - PR of Health Drinking Water Seminar
 - Introduction to Command System for Incident Management ICS-100B and IS-700a
 - Is-800b National Response Framework and Introduction
 - Is-200b-ICS – For single Resources and Initial Action Incident
 - Annual AWWA Conference and Exposition 2012, Dallas Texas
 - Operator Certification for Drinking Water, IV Category
 - Operator Certification for Used Water ,IV Category

4. **Chemical Contamination Investigation** – Two(2) investigations were done, the main:
 - Oil detection in drinking water of Juan B. Soto School , Aguada PR
5. **Filtration Plants Inspections** – At least eighteen (18) inspections were done.
6. **Inspections to Storage Tanks-** At least one hundred twenty one (121) inspections were done.
7. **Inspections to Ground Wells-** At least twenty one (21) inspections were done.
8. **Sanitary Surveys** – At least fifteen (15) sanitary surveys were done.
9. **Check Inspections** - At least thirty (30) check inspections were done.
10. **Pumping Station Inspections** - At least eighty (86) inspections were done.
11. **Community Non PRASA and Non Community System Inspections** - At least five (5) inspections were done.
12. **About five (5) complains of drinking water quality matters received and solved.**
13. **About twenty five (25) Boiling Water Orders and Notifications were emitted to NON PRASA Systems.**
14. **About fourteen (14) Incidents Notifications were emitted to PRASA Systems.**
15. **About seventy five (75) Operator Certification check actions were done**
16. **About four hundred fifty (450) other activities were done in order to comply with our duties.**

Cf. Eng. Alex Ríos Mejías, Mr. Carlos Mercado Ruiz- Mayagüez Environmental Health Program Director

January 11, 2013

Javier O. Torres, P.E.
Director
Public Water Supply Supervision Program


Eng. Enrique Rosado
Team Leader East Region
Public Water Supply Supervision Program

REF: FY-12 Annual Report Summary

This FY-12, the East Region staff was constituted by Enrique Rosado and Javier Melendez. The main activities performed by our teamwork during this fiscal year are described below.

1. Two hundred and twelve **(212) follow-up** actions were performed including:
 - Complaints
 - Chlorine residuals in distribution systems
 - Positive results in bacteriological samples
 - Corrective action plans for deficiencies identified during field visits
2. Eighty three **(83) technical assistances** were provided.
3. Ninety-two **(92) drinking water system operators' certifications** were reviewed.
4. Six **(6) seminars** or trainings were attended:
 - November 2012**
 - Attended review in preparation for the Drinking Water Treatment Plant Operator Certification exam
 - Attended review in preparation for the Sewer Water Treatment Plant Operator Certification exam

May 2012

- **18th Drinking Water Seminar**, sponsored by PRDOH, USEPA, AWWA, AIDIS, and the academic sector, May 2012

5. One **(1) technical lecture** was given.
6. One **(1) technical lecture** was attended.
7. Six **(6) chemical pollution investigations** were performed.
8. One **(1) public participation activity** was attended and coordinated
9. Eighteen **(18) inspections to filtration plants** were performed.
10. One hundred and forty-four **(154) PRASA and Non PRASA tanks** were inspected.
11. Sixteen **(16) PRASA ground water components** were inspected.
12. Thirty-one **(31) sanitary surveys** to PRASA and Non PRASA systems were performed.
13. Forty-nine **(49) check-up visits** to PRASA and Non PRASA systems were done.
14. One hundred and twenty-three **(123) boiling water notifications** were issued to Non PRASA systems.
15. Four **(4) incident notifications** to PRASA were issued.
16. One hundred and nine **(109) pumping stations** were inspected.
17. Thirty **(30) complaints** in PRASA and Non PRASA systems were addressed.
18. Attendance to thirty-two **(32) meetings**, including the following:
 - Staff meetings
 - Meetings in conjunction with PRASA East Region staff regarding PRASA transactional agreement and the Remote/ Automatic Plant Operation Program and other compliance issues
 - Meetings with Non PRASA communities in order to provide them technical assistance to bring their systems into compliance with the drinking water regulation
 - Meetings with Drinking Water State Revolving Fund staff regarding status of the projects
19. **Other activities** performed during this fiscal year include:

- PRASA / DOH Transactional Agreement enforcement & follow up actions
- Evaluation of filtration plants monthly reports for turbidity and chlorine residual
- Preparation of the bacteriological sampling surveillance program and the corresponding coordination with the PRDOH inspectors
- Preparation of bacteriological compliance and surveillance monthly report for PRASA and Non PRASA systems
- Sampling points certification for bacteriological, THM, HAA5 parameters
- Participation in a drill exercise as part of the implementation of an emergency response plan in Non PRASA community water systems.
- Coordination of inspections and the PRDOH approval process of the filtration plants included in the 2012 scheduled within the Partial Automated Operation Program of PRASA

*Secretaría Auxiliar para Salud Ambiental
Drinking Water Division North Region*

January 15, 2013

Mr. Javier O. Torres, P.E.
Acting Director
Public Water Supply
Supervision Program

Mr. José A. Sánchez, E.I.T.
North Region Coordinator
Drinking Water Division

Mrs. Marilyn Marrero, E.I.T.
North Region Coordinator
Drinking Water Division

Mr. Luis A. Benítez Cortes, MSS
Environmental Specialist

ANNUAL REPORT FOR FY-2012

This is the summary of the main activities performed by the North Region of the Drinking Water Division during the Fiscal Year 2012.

1. We completed Forty-four Sanitary Surveys and two hundreds eighty nine Inspections in which are included:
 - a) Sixty-eight Pump Stations
 - b) Seventy-four Water Wells
 - c) One hundred seventeen Distribution Tanks
 - d) Three Filtration Plants
 - e) Seventeen Community Non PRASA Systems
 - f) Ten Non Community Non Transient Systems
2. We carried out one thousand three hundred twenty six samples of our routine bacteriological monitoring program follow up, complaints and others.


3. One hundred nineteen follow up actions were performed concerning to:
 - a) Positive results of bacteriological samples
 - b) Chlorine residuals violations
 - c) Administrative Orders
4. We performed six technical assistance activities.
5. All the members of our Regional Staff attended the 18th. Drinking Water Regulation Seminar at Puerto Rico Convention Center facilities in San Juan, Puerto Rico during May.
6. We received six complaints and all of them were investigated.
7. We carried out ten Enforcement activities.
8. We carried out forty four check visits.
9. We made thirteen Water Boiling Orders notifications for positive results during the bacteriological monitoring for Non PRASA Systems.
10. We attended fifteen meetings.
11. We prepared eight incident reports.
12. We carried out three hundreds twenty other activities concerning to the Division.
13. We participated in the evaluation and compliance of the Drinking Water Concern with PRASA and DOH.
14. We participated in the Special Project about Nitrate Monitoring during August 2012. In this project, fourteen samples were taken on ground water well in the North Region.
15. On November 9 & 10, 2011 we attended the Training "Review for Drinking and Waste Water Plants Operator" in Caguas, Puerto Rico.

February 14, 2013

Eng. Javier Torres Urbina, PE
Director
Public Water Supply
Supervision Program



Eng. Jesús M. Sáez
Metropolitan Region Coordinator, Team Leader



Dinorah M. Robles, PE
Metropolitan Region Coordinator

Re: **Annual Report Fiscal Year 2012**
(October 2011 – September 2012)

The Metropolitan Region performed the following summarized activities during FY-12 with the teamwork effort of Eng. Jesús M. Sáez and Eng. Dinorah M. Robles:

1. Three (3) **training/seminars** were attended:
 - a. 18th Seminar Drinking Water 2012
 - b. Drinking Water Operator IV certification
 - c. Clean Water Operator IV certification
2. Participated in two (2) **meetings** including the following:
 - a. With PRASA staff concerning Turbidity events
3. Eight (8) **inspections to tanks** were performed as part of a sanitary survey, routine inspection and/or emergency operation:
 - a. Guzman Arriba (PWSID 5356)
 - b. El Nuevo Dia (PWSID 132071)- Non-PRASA
4. One (1) **inspections to wells** were performed as part of a sanitary survey, routine inspection and/or emergency operation:
 - a. El Nuevo Dia (PWSID 132071)- Non-PRASA
5. Two (2) **inspections to filtration plants** were performed as part of a sanitary survey, routine inspection and/or emergency operation:
 - a. Guzman Arriba (PWSID 5356)

6. Two (2) **sanitary survey** was performed to PRASA systems:
 - a. Guzman Arriba (PWSID 5356)
 - b. El Nuevo Dia (PWSID 132071) Non-PRASA
7. Five (5) **inspections to Pump Stations** were performed as part of a sanitary survey, routine inspection and/or emergency operation:
 - a. Guzman Arriba (PWSID 5356)
8. Fourteen (14) **complaints** were received and addressed regarding the quality of the drinking water received by the customer
9. Forty-nine (49) **other relevant activities** were performed as part of the region coordination during the year. Some of them are:
 - a. Registration, revision and analysis of the compliance bacteriology monitoring submitted monthly by PRASA.
 - b. Registration, revision and analysis of the surveillance bacteriology monitoring submitted monthly by PRDOH.
 - c. Registration, revision and analysis of the turbidity and chlorine residual monthly reports submitted by PRASA.
 - d. Prepared the monthly corresponding reports to the Data Management and Enforcement Sections.
 - e. Prepared the Metro Region statistical monthly reports.
 - f. Prepared compliance, non-compliance and other reports as needed/required.
 - g. Prepared compliance, non-compliance and other letters as needed/required.
 - h. Maintained communication with PRDOH and PRASA Metro Regions respectively as needed/required.
 - i. Prepared annual surveillance bacteriological monitoring program.
 - j. Evaluation of Action Plans submitted for the Sanitary Surveys done
 - k. Evaluation of Enforcement Program for the "Acuerdo Transaccional Enmendado" between PRDOH and PRASA
 - l. Oversight of filtration plants due to heavy rain
 - m. Prepared information needed for EPA reports
 - n. Field visit inspections for bacteriology monitoring points

November 29, 2012

Eng. Javier O. Torres, Director
Drinking Water Division


Oneida Santiago
Enforcement Section
Public Water Supply Supervision Program

**FFY 2012 Annual Report Summary
Enforcement Section**

This report summarizes the main activities performed in the Enforcement and Compliance Section during October 1st, 2011 through September 30, 2012. Most of the activities were in relation to the Amendment Settlement Agreement (ASA) in the case of Department of Health vs Puerto Rico Aqueduct and Sewer Authority (PRASA), Case No. KPE 06-0858.

A total of 100 documented follow up actions were conducted during this period related to the ASA stipulated obligations, such as: (1) General Interim Mitigation Measures; (2) Medium Term Remedial Measures; (3) Optimization Treatment Program; (4) Stipulated Penalties; (5) Quarterly Progress Reports; (6) Integrated Preventive Maintenance Program (PIMP); (7) Standard Operational Procedures (SOP); (8) Membrane Filtration Technique Validation; (9) PRASA Time Extension Requests (10) Revision and Approval Procedures for Deliverables; (11) Future Violations and Corrective Action Plans; (12) Supplemental Environmental Project (SEP); (13) General Interim Mitigation Measures; (14) Continuous Monitoring Program; (15) Joint Motions, among others.

Other hand, the new EPA initiative known as Enforcement Response Policy (ERP) was fully implemented during this year. This approach replaces the existing contaminant by contaminant strategy with one that focuses enforcement attention on the systems with most serious or repeated violations. The new Enforcement Targeting Tool (ETT) system enables the prioritization of water systems by assigning each violation a "weight" or number of points based on the assigned threat to public health. Quarterly Reports were submitted to EPA Region 2 based on this enforcement targeting tool. According to the ERP, the PWSS Enforcement Protocol was amended. Revision was submitted to EPA for comments and approval.

FFY 2012 Annual Report Summary
Enforcement Section

Most important enforcement actions were:

Action	Quantity
Notice Letters	11
Warning Letters	5
Notice of Violation	33
Technical Assistance	23
Meetings	24
Letters/Memos	239
Others	159

During this year, we had the opportunity to participate in the following trainings or seminars:

1. ETT Webinars – sponsored by EPA
2. Drinking Water Annual Seminar–sponsored AWWA, EPA and DOH Committee.
3. Jar Test Training - sponsored AWWA, EPA and DOH Committee.
4. "Mejoramiento de Calidad" - sponsored DOH.
5. Drinking Water Operation Certification Training
6. "Sustancias Controladas" - sponsored DOH.
7. "Brotos Epidémicos" - sponsored UPR-RCM.
8. "Promoción de la Salud" - sponsored UPR-RCM.

Several documents were prepared during this period, such as:

1. Puerto Rico - Annual Report of Drinking Water Systems Violations 2011
2. PWSS Program End of Year Evaluation FFY -11
3. EPA-ETT Quarterly Reports
4. Annual Report for the Environmental Secretariat 2011-2012

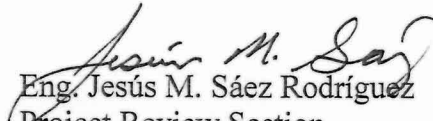
Finally, assistance to Non PRASA Section and Lead and Copper Coordinators were provided regarding compliance determination and enforcement actions. More details on regular enforcement activities performed in FFY-11, please refers to the attached document.

(Attachment: 2011 Enforcement Section Monthly Summary Report)

Annual Report FY-12 Project Review Section

<i>ACTIVITY</i>	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Ago	Sep	Total
<i>Technical Advice</i>	0	2	0	3	3	0	2	2	2	2	3	2	21
<i>Preliminary Endorsements</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Trainings Offered</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Revised Project Submitted</i>	3	0	0	0	0	4	2	2	0	1	6	6	24
<i>Not Endorsed Projects</i>	0	0	0	0	0	1	1	0	0	1	4	1	8
<i>Approved Projects Current FY</i>	3	0	0	0	0	3	1	3	0	0	2	5	17
<i>Meetings</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>a. PRASA</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>b. Private Consultants</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>c. Others</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Inspections to Project</i>	0	0	1	2	2	3	1	2	1	2	1	1	16
<i>Reinspections to Project</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Others</i>	2	3	0	6	4	8	5	15	11	8	11	13	86

To: Javier O. Torres
Director
Public Water Supply Supervision Division

From: 
Eng. Jesús M. Sáez Rodríguez
Project Review Section
Public Water Supply Supervision Division


Subject: **ANNUAL REPORT PLANS REVIEW SECTION FY-11**

Date: **November 15, 2012**

1. A total of 24 projects construction plans were reviewed during FY-12 (October 2011 to September 2012). From these, 17 were endorsed. Review included new and substantially modified facilities and also, large and Compact Filtration Plants include Sludge Treatment System (PRASA & Non-PRASA).
2. Conducted 16 on site inspection of construction of Public Water Supply facilities.
3. Continued to assist water utilities on the proper design and construction of drinking water treatment facilities.
4. Some projects construction plans were disapproved or pending for approvals due to there are not in compliance with the Regulations of Department of Health, actually have more that 8 projects.
5. Reviewing and endorsement of construction plans of Non-PRASA water systems improvements were continued.
6. Our section gives more that 21 technical assistance during FY-11.
7. A total of 84 revisions to documents were conducted including but not limited to disinfections (lines, tank and filter and others), new treatment techniques, protocols and materials in contact with water.

Date: January 10, 2013

To: Javier O. Torres, PE
Director
Public Water Supply Supervision Division
Puerto Rico Department of Health

From:  Ana M. Mendoza Rivera, MEH
Coordinator, Non PRASA Section

Subject: FY-12 Annual Report Summary

This report summarizes the work done during Fiscal Year 2012 by Ana M. Mendoza Rivera as an Environmental Specialist with the PRDOH Public Water Supply Supervision Division.

The following list summarizes the activities performed during the period of FY12 (October 2011 to September 2012):

1. Thirty-six (36) enforcement actions
 - Several bacteriological and chemical Notices of Violation and Administrative Orders were issued to Non PRASA systems for bacteriological and chemical sample reports.
2. One hundred fifty-two (152) follow up actions:
 - Evaluation and registry of the Non PRASA reports of compliance laboratory samples.
 - Warning letters issued due to detection of chemical contaminants.
 - Brought up to date systems information.
 - Follow up to MR violations (bacteriological and chemical)
 - Evaluation for sampling reductions.
 - Reclassifications of some systems in emergency ones.
 - Revision and bringing up to date the file of non PRASA systems that include schools.
 - Letter for systems registration.
 - Preparation of chemical sampling programs.

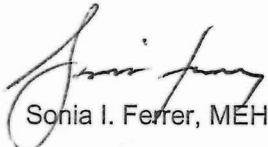
3. One hundred eleven (111) technical assistance:
 - To systems owners about National Regulations, NOV's and sampling programs.
 - To graduate students about regulations, sanitary surveys and other issues about Non PRASA systems.
 - To the coordinators of our Office about the compliance of the systems.
 - To university professors about regulated contaminants.
 - To AAA personnel about the availability to connect some systems to PRASA.
 - To private consultant firms about Primary Drinking Water Standards.
 - To government agencies about requirements for the creation of a public water systems.
4. Four (4) seminars and workshop attended:
 - Annual Drinking Water Seminar
 - Health Promotion Conference
 - "Enforcement Targeting Tools" and "Capacity" webinar
 - Plants Operator
5. Twenty-eight (28) work meetings:
 - Several Staff Meetings.
 - Meetings with the Director of the Public Water Supply Supervision Division (PWSSD).
 - Meetings with different members of the PWSSP to discuss different issues.
 - Meetings with some members of communities and/or companies for orientation and different issues of their systems.
6. One hundred ninety-five (195) other PWSSP activities.
 - Study of the 40 CFR on different rules.
 - Evaluation of Work Plans.
 - Preparation of different type of reports.
 - Reply to correspondence.
 - Preparation of Sampling Programs.
 - Preparation of documents of the creation or deactivation of systems.
 - Participation in the Circuit Riders Project II
 - Participation in a Small Community Committee
 - Preparation of the document of Non-PRASA Strategy

January 1, 2013

Javier O. Torres, PE

Director

Public Water Supply Supervision Program



Sonia I. Ferrer, MEH

Lead & Copper Rule Coordinator

Public Water Supply Supervision Program

Re: Annual Report Summary

Fiscal Year 2012 (Oct. 2011-Sept. 2012)

The information below summarizes the activities performed as the Lead & Copper Rule Coordinator. The LCR has four main functions: 1-require water suppliers to optimize their treatment system to control corrosion in customer's plumbing; 2-determine tap water levels of lead and copper for customers who have lead service lines or lead-based solder in their plumbing systems; 3-rue out the source water as a source of significant lead levels; and 4-if action levels are exceeded, require the suppliers to educate their through public notices and public educational programs. If a water systems, after installing and optimizing corrosion control treatment, continues to fail to meet the lead action level, it must begin replacing the lead service lines under its ownership. Large systems serving more than 50,000 people were required to conduct studies of corrosion control and to install the state-approved optimal corrosion control treatment by January1, 1997. Small and medium sized systems are required to optimize corrosion control when monitoring at the consumer taps show action is necessary.

The following is a general summary of the main activities performed for the PRASA and Non-PRASA systems:


1. Fifty (46) enforcement / follow up (letters) actions about:
 - Notices of Violation.
 - Notice of exceedance for lead and copper action levels
 - Request corrosion control treatment studies.
 - Initial or follow lead and copper tap monitoring.
 - Initial or follow – Water Quality Parameters (WQP) / Source Water.
 - Reduced lead and copper tap monitoring.
 - Treatment Recommendations: Approve treatment, alternatives, and require further treatment studies.
 - Public Educations /Public Notifications /Lead Consumer Notice / Administrative Orders.
2. One hundred and eighty-six (120) follow up actions were performed including:
 - Complaints of LCR (Phone, fax, emails, mail).
3. Fourteen (8) technical assistances were provided:
 - Phone calls or in person.
4. One (1) seminar or trainings was attended:
 - Annual Drinking Water Seminar – May, 2012 - Pedro Rosello Convections' Center –San Juan. Sponsored by PRDOH, AWWA, AIDIS, EPA and PRWRERI.
5. Other Activities were performed during the fiscal year:
 - The lead and copper sampling programs were coordinated for all water systems.
 - The 90th percentile levels were evaluated and calculated for all water systems.
 - All Desktop Evaluations were received, reviewed and processed.
 - Preparation of different types of lead and copper reports (Mid Year, End of Year, Annual Report, others) for the Data Management and Enforcement Sections.
 - Lead Ban, special reports (January to December 2011) was prepared.
 - Revision of the compliance reporting requirements of the Public Education.
 - Revision of the compliance reporting requirements of the Lead Consumer Notice.
 - Revision of the compliance WQP monitoring reports for all water systems.
 - Technical assistance to Non-PRASA systems regarding monitoring frequency and sampling points.
 - PRASA/DOH Transactional Agreement enforcement and follow up actions of LCR.

ESTADO LIBRE ASOCIADO DE PUERTO RICO
DEPARTAMENTO DE SALUD
DIVISION DE AGUA POTABLE



January 15, 2013

Mr. Javier Torres, P.E.
Director Public Water Supply
Supervision Program


Mr. Arnaldo R. Aponte Zayas
Computer Processing Section (CPS)
Public Water Supply
Supervision Program

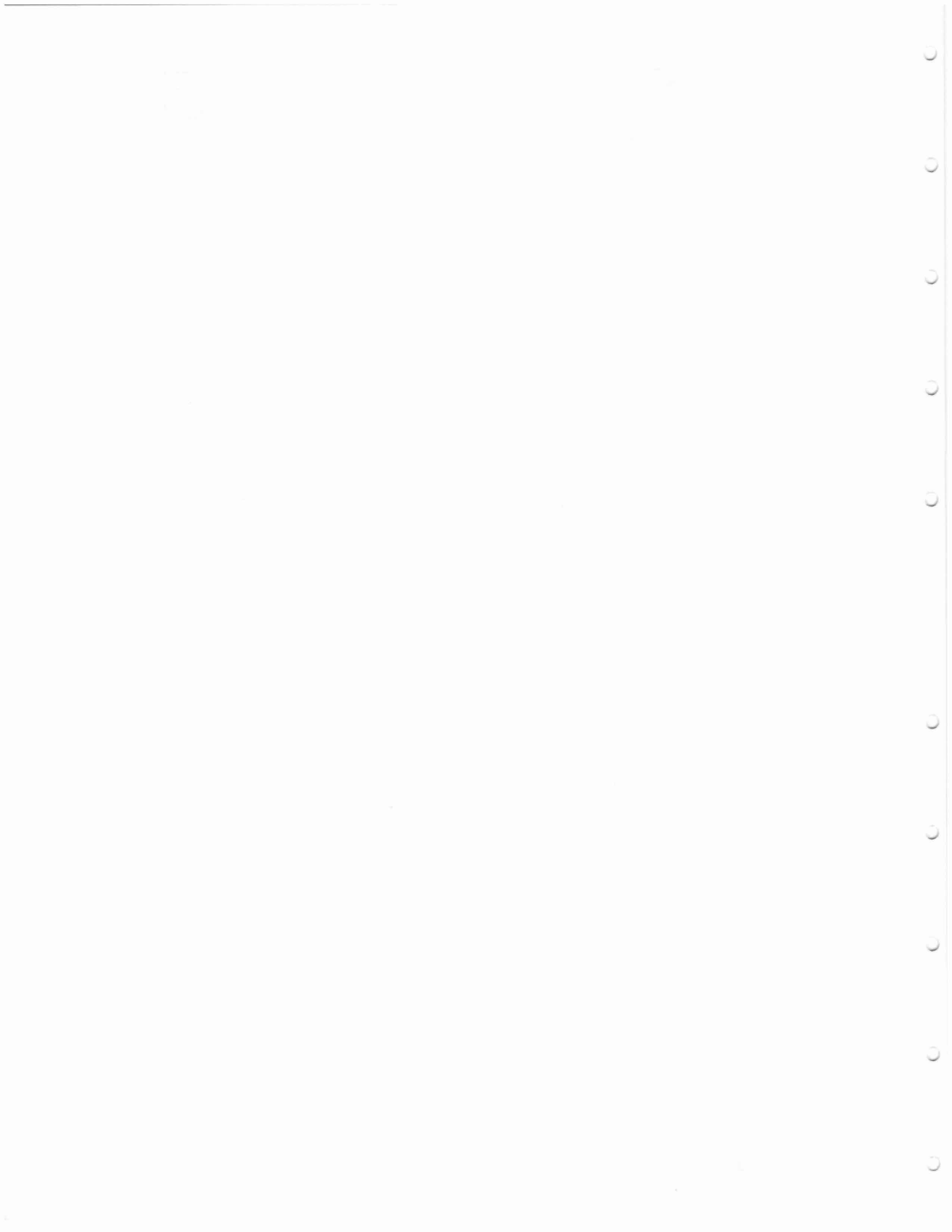
RE: ANNUAL REPORT FY-12

Achievements during FY-12:

1. The statistics for the Annual Report FY-12 were prepared.
2. The report for SDWIS was sent on time to U.S. E.P.A.
3. Export Data Violations MR-Bact. From DBF to SDWIS format.
4. Technical assistance support on data management and / or computer programs were given to PWSS staff.
5. The inventory was actualized for PRASA and Non-PRASA systems.
6. Issued monthly Public Notification to Non-PRASA systems with MCL and MR violations.
7. Technical assistance support to Non-PRASA Systems for CCR (Consumer Confidence Report).
8. The following files were reported quarterly to U.S. E.P.A., Region II using Safe Drinking Water Information System (SDWIS), for PRASA and Non-PRASA systems.
 - a. Inventory
 - b. Violation (MCL and MR)
 - c. Enforcement Action

ATTACHMENT 3

ACTIVIDADES DE SISTEMAS NON-PRASA & PRASA		FY-12
Acciones de "Enforcement" TOTAL		210
Acciones de "Enforcement" NON-PRASA		74
Acciones de "Enforcement" PRASA		136
Acciones de Seguimiento TOTAL		2114
Acciones de Seguimiento NON-PRASA		744
Acciones de Seguimiento PRASA		1370
Asesoramiento Tecnico TOTAL		295
Asesoramiento Tecnico NON-PRASA		218
Asesoramiento Tecnico PRASA		56
Asesoramiento Tecnico SECC. REV. PLANOS		21
Certificación de Operadores PRASA		200
Seminarios y/o Adiestramientos Ofrecidos TOTAL		0
Seminarios y/o Adiestramientos Ofrecidos NON-PRASA		0
Seminarios y/o Adiestramientos Ofrecidos PRASA		0
Seminarios y/o Adiest. Ofrecidos SECC. REV. PLANOS		0
Seminarios y/o Adiestramientos Recibidos TOTAL		52
Seminarios y/o Adiestramientos Recibidos NON-PRASA		12
Seminarios y/o Adiestramientos Recibidos PRASA		40
Charlas Ofrecidas TOTAL		1
Charlas Ofrecidas NON-PRASA		1
Charlas Ofrecidas PRASA		0
Charlas Recibidas TOTAL		7
Charlas Recibidas NON-PRASA		1
Charlas Recibidas PRASA		6
Revisión de Reglamentos, Leyes y Proyectos TOTAL		3
Preparación de Manuales y Hojas Informativas TOTAL		0
Preparación de Manuales y Hojas Inf. NON-PRASA		0
Preparación de Manuales y Hojas Inf. PRASA		0
Participación Pública TOTAL		3
Participación Pública NON-PRASA		0
Participación Pública PRASA		3
Investigación sobre contaminación Microbiológica TOTAL		5
Inv. sobre contaminación Microbiológica NON-PRASA		0
Inv. sobre contaminación Microbiológica PRASA		5
Investigación sobre contaminación Química TOTAL		15
Inv. sobre contaminación Química NON-PRASA		0
Inv. sobre contaminación Química PRASA		15
Investigación sobre Conexiones Cruzadas TOTAL		6
Investigación sobre Conexiones Cruzadas NON-PRASA		2
Investigación sobre Conexiones Cruzadas PRASA		4

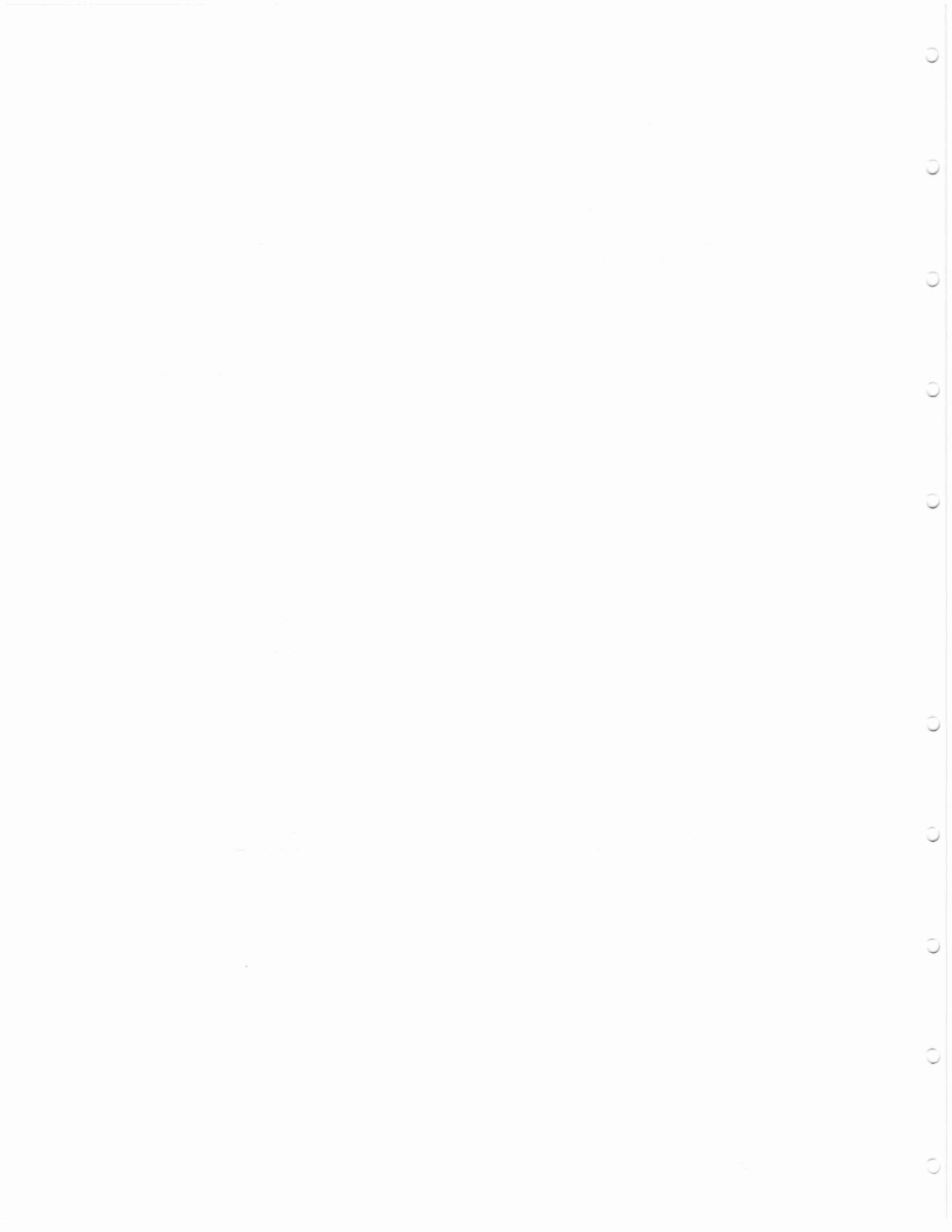


ACTIVIDADES DE SISTEMAS NON-PRASA & PRASA		FY-12
INSPECCIONES NON-PRASA + PRASA + SECC. REV PLANOS		954
NON-PRASA		
TOTAL INSPECCIONES NON-PRASA Y COMPONENTES		144
Inspecciones a Sistemas Comunales y Componentes		129
Inspecciones a Sistemas No-Comunal & Nontransien		15
TOTAL Insp. Sistemas sirven menos 25 pers. NON-PRASA		0
PRASA		
TOTAL INSPECCIONES PRASA Y COMPONENTES		794
Inspecciones a Plantas de Filtración PRASA		66
Inspecciones a Tanques PRASA		563
Inspecciones a Pozos PRASA		165
Inspecciones a Acueductos Rurales PRASA		0
Inspecciones a Cisternas PRASA		0
Insp. Sistemas que sirven menos 25 pers. PRASA		0
TOTAL INSPECCIONES PLAN REVIEW		16
Inspecciones a Proyectos SECC. REV. PLANOS		16
Reinspecciones a Proyectos SECC. REV. PLANOS		0
Encuestas Sanitarias TOTAL		130
Encuestas Sanitarias NON-PRASA		71
Encuestas Sanitarias PRASA		59
Visitas de Cotejo a Sistemas TOTAL		253
Visitas de Cotejo a Sistemas NON-PRASA		133
Visitas de Cotejo a Sistemas PRASA		120
Ordenes de Hervir el Agua, Notif. Públicas NON-PRASA		2220
Querellas Recibidas TOTAL		71
Querellas Recibidas NON-PRASA		7
Querellas Recibidas PRASA		64
Reuniones TOTAL		201
Reuniones NON-PRASA		75
Reuniones PRASA		126
Reuniones A.A.A. SECC. REV. PLANOS		0
Reuniones Consultores Privados SECC. REV. PLANOS		0
Reuniones Otras SECC. REV. PLANOS		0
Endosos Preliminares SECC. REV. PLANOS		0
Proyectos Revisados Sometidos SECC. REV. PLANOS		24
Proyectos No Endosados SECC. REV. PLANOS		7
Proyectos Aprobados SECC. REV. PLANOS		17
C P E SISTEMAS PRASA		0
Notificación de Incidente		27
Inspección a Estaciones de Bombeo		321

ACTIVIDADES DE SISTEMAS PRASA	OCT-2011	ACUM.	TOTAL
1. Acciones de "Enforcement"	10	0	10
2. Acciones de Seguimiento	113	0	113
3. Asesoramiento Técnico	4	0	4
Certificación de Operadores	10	0	10
4. Seminarios y/o Adiestramientos Ofrecidos	0	0	0
5. Seminarios y/o Adiestramientos Recibidos	2	0	2
6. Charlas Ofrecidas	0	0	0
7. Charlas Recibidas	0	0	0
8. Revisión de Reglamentos, Leyes y Proyectos	0	0	0
9. Preparación de Manuales y Hojas Informativas	0	0	0
10. Participación Pública	0	0	0
11. Investigación sobre contaminación Microbiológ	0	0	0
12. Investigación sobre contaminación Química	0	0	0
13. Investigación sobre Conexiones Cruzadas	1	0	1
14. Inspecciones a Plantas de Filtración	5	0	5
15. Inspecciones a Tanques	34	0	34
16. Inspecciones a Pozos	21	0	21
17. Inspecciones a Acueductos Rurales	0	0	0
18. Inspecciones a Cisternas	0	0	0
19. Inspecc. a Sistemas que sirven menos 25 pers	0	0	0
20. Encuestas Sanitarias	1	0	1
21. Visitas de Cotejo	8	0	8
22. Querellas Recibidas	6	0	6
23. Querellas Resueltas	6	0	6
24. Reuniones	13	0	13
25. C P E	0	0	0
26. Otras Actividades	222	0	222

ACTIVIDADES DE SISTEMAS PRASA	NOV-2011	ACUM.	TOTAL
1. Acciones de "Enforcement"	14	10	24
2. Acciones de Seguimiento	78	113	191
3. Asesoramiento Técnico	3	4	7
Certificación de Operadores	9	10	19
4. Seminarios y/o Adiestramientos Ofrecidos	0	0	0
5. Seminarios y/o Adiestramientos Recibidos	15	2	17
6. Charlas Ofrecidas	0	0	0
7. Charlas Recibidas	1	0	1
8. Revisión de Reglamentos, Leyes y Proyectos	0	0	0
9. Preparación de Manuales y Hojas Informativas	0	0	0
10. Participación Pública	0	0	0
11. Investigación sobre contaminación Microbiológ	0	0	0
12. Investigación sobre contaminación Química	2	0	2
13. Investigación sobre Conexiones Cruzadas	0	1	1
14. Inspecciones a Plantas de Filtración	3	5	8
15. Inspecciones a Tanques	21	34	55
16. Inspecciones a Pozos	2	21	23
17. Inspecciones a Acueductos Rurales	0	0	0
18. Inspecciones a Cisternas	0	0	0
19. Inspecc. a Sistemas que sirven menos 25 pers	0	0	0
20. Encuestas Sanitarias	3	1	4
21. Visitas de Cotejo	6	8	14
22. Querellas Recibidas	0	6	6
23. Querellas Resueltas	0	6	6
24. Reuniones	15	13	28
25. C P E	0	0	0
26. Otras Actividades	241	222	463

ACTIVIDADES DE SISTEMAS PRASA	DIC-2011	ACUM.	TOTAL
1. Acciones de "Enforcement"	13	24	37
2. Acciones de Seguimiento	90	191	281
3. Asesoramiento Técnico	2	7	9
Certificación de Operadores	11	19	30
4. Seminarios y/o Adiestramientos Ofrecidos	0	0	0
5. Seminarios y/o Adiestramientos Recibidos	0	17	17
6. Charlas Ofrecidas	0	0	0
7. Charlas Recibidas	0	1	1
8. Revisión de Reglamentos, Leyes y Proyectos	0	0	0
9. Preparación de Manuales y Hojas Informativas	0	0	0
10. Participación Pública	1	0	1
11. Investigación sobre contaminación Microbiológ	0	0	0
12. Investigación sobre contaminación Química	1	2	3
13. Investigación sobre Conexiones Cruzadas	0	1	1
14. Inspecciones a Plantas de Filtración	3	8	11
15. Inspecciones a Tanques	43	55	98
16. Inspecciones a Pozos	8	23	31
17. Inspecciones a Acueductos Rurales	0	0	0
18. Inspecciones a Cisternas	0	0	0
19. Inspecc. a Sistemas que sirven menos 25 pers	0	0	0
20. Encuestas Sanitarias	7	4	11
21. Visitas de Cotejo	10	14	24
22. Querellas Recibidas	1	6	7
23. Querellas Resueltas	1	6	7
24. Reuniones	13	28	41
25. C P E	0	0	0
26. Otras Actividades	259	463	722



ACTIVIDADES DE SISTEMAS PRASA	ENE-2012	ACUM.	TOTAL
1. Acciones de "Enforcement"	9	37	46
2. Acciones de Seguimiento	56	281	337
3. Asesoramiento Técnico	4	9	13
Certificación de Operadores	24	30	54
4. Seminarios y/o Adiestramientos Ofrecidos	0	0	0
5. Seminarios y/o Adiestramientos Recibidos	0	17	17
6. Charlas Ofrecidas	0	0	0
7. Charlas Recibidas	2	1	3
8. Revisión de Reglamentos, Leyes y Proyectos	0	0	0
9. Preparación de Manuales y Hojas Informativas	0	0	0
10. Participación Pública	0	1	1
11. Investigación sobre contaminación Microbiológ	0	0	0
12. Investigación sobre contaminación Química	0	3	3
13. Investigación sobre Conexiones Cruzadas	0	1	1
14. Inspecciones a Plantas de Filtración	3	11	14
15. Inspecciones a Tanques	28	98	126
16. Inspecciones a Pozos	7	31	38
17. Inspecciones a Acueductos Rurales	0	0	0
18. Inspecciones a Cisternas	0	0	0
19. Inspecc. a Sistemas que sirven menos 25 pers	0	0	0
20. Encuestas Sanitarias	1	11	12
21. Visitas de Cotejo	9	24	33
22. Querellas Recibidas	1	7	8
23. Querellas Resueltas	1	7	8
24. Reuniones	9	41	50
25. C P E	0	0	0
26. Otras Actividades	263	722	985

ACTIVIDADES DE SISTEMAS PRASA	FEB-2012	ACUM.	TOTAL
1. Acciones de "Enforcement"	11	46	57
2. Acciones de Seguimiento	144	337	481
3. Asesoramiento Técnico	7	13	20
Certificación de Operadores	12	54	66
4. Seminarios y/o Adiestramientos Ofrecidos	0	0	0
5. Seminarios y/o Adiestramientos Recibidos	3	17	20
6. Charlas Ofrecidas	0	0	0
7. Charlas Recibidas	0	3	3
8. Revisión de Reglamentos, Leyes y Proyectos	0	0	0
9. Preparación de Manuales y Hojas Informativas	0	0	0
10. Participación Pública	1	1	2
11. Investigación sobre contaminación Microbiológ	1	0	1
12. Investigación sobre contaminación Química	1	3	4
13. Investigación sobre Conexiones Cruzadas	2	1	3
14. Inspecciones a Plantas de Filtración	1	14	15
15. Inspecciones a Tanques	27	126	153
16. Inspecciones a Pozos	7	38	45
17. Inspecciones a Acueductos Rurales	0	0	0
18. Inspecciones a Cisternas	0	0	0
19. Inspecc. a Sistemas que sirven menos 25 pers.	0	0	0
20. Encuestas Sanitarias	4	12	16
21. Visitas de Cotejo	22	33	55
22. Querellas Recibidas	7	8	15
23. Querellas Resueltas	7	8	15
24. Reuniones	5	50	55
25. C P E	0	0	0
26. Otras Actividades	319	985	1304

ACTIVIDADES DE SISTEMAS PRASA	MAR-2012	ACUM.	TOTAL
1. Acciones de "Enforcement"	11	57	68
2. Acciones de Seguimiento	111	481	592
3. Asesoramiento Técnico	4	20	24
Certificación de Operadores	34	66	100
4. Seminarios y/o Adiestramientos Ofrecidos	0	0	0
5. Seminarios y/o Adiestramientos Recibidos	0	20	20
6. Charlas Ofrecidas	0	0	0
7. Charlas Recibidas	0	3	3
8. Revisión de Reglamentos, Leyes y Proyectos	2	0	2
9. Preparación de Manuales y Hojas Informativas	0	0	0
10. Participación Pública	0	2	2
11. Investigación sobre contaminación Microbiológ	1	1	2
12. Investigación sobre contaminación Química	3	4	7
13. Investigación sobre Conexiones Cruzadas	0	3	3
14. Inspecciones a Plantas de Filtración	9	15	24
15. Inspecciones a Tanques	69	153	222
16. Inspecciones a Pozos	24	45	69
17. Inspecciones a Acueductos Rurales	0	0	0
18. Inspecciones a Cisternas	0	0	0
19. Inspecc. a Sistemas que sirven menos 25 pers	0	0	0
20. Encuestas Sanitarias	7	16	23
21. Visitas de Cotejo	28	55	83
22. Querellas Recibidas	5	15	20
23. Querellas Resueltas	5	15	20
24. Reuniones	14	55	69
25. C P E	0	0	0
26. Otras Actividades	311	1304	1615

ACTIVIDADES DE SISTEMAS PRASA	ABR-2012	ACUM.	TOTAL
1. Acciones de "Enforcement"	11	68	79
2. Acciones de Seguimiento	153	592	745
3. Asesoramiento Técnico	5	24	29
Certificación de Operadores	21	100	121
4. Seminarios y/o Adiestramientos Ofrecidos	0	0	0
5. Seminarios y/o Adiestramientos Recibidos	2	20	22
6. Charlas Ofrecidas	0	0	0
7. Charlas Recibidas	0	3	3
8. Revisión de Reglamentos, Leyes y Proyectos	0	2	2
9. Preparación de Manuales y Hojas Informativas	0	0	0
10. Participación Pública	0	2	2
11. Investigación sobre contaminación Microbiológ	0	2	2
12. Investigación sobre contaminación Química	1	7	8
13. Investigación sobre Conexiones Cruzadas	0	3	3
14. Inspecciones a Plantas de Filtración	4	24	28
15. Inspecciones a Tanques	22	222	244
16. Inspecciones a Pozos	25	69	94
17. Inspecciones a Acueductos Rurales	0	0	0
18. Inspecciones a Cisternas	0	0	0
19. Inspecc. a Sistemas que sirven menos 25 pers	0	0	0
20. Encuestas Sanitarias	4	23	27
21. Visitas de Cotejo	5	83	88
22. Querellas Recibidas	9	20	29
23. Querellas Resueltas	9	20	29
24. Reuniones	13	69	82
25. C P E	0	0	0
26. Otras Actividades	427	1615	2042

ACTIVIDADES DE SISTEMAS PRASA	MAY-2012	ACUM.	TOTAL
1. Acciones de "Enforcement"	16	79	95
2. Acciones de Seguimiento	95	745	840
3. Asesoramiento Técnico	3	29	32
Certificación de Operadores	13	121	134
4. Seminarios y/o Adiestramientos Ofrecidos	0	0	0
5. Seminarios y/o Adiestramientos Recibidos	15	22	37
6. Charlas Ofrecidas	0	0	0
7. Charlas Recibidas	0	3	3
8. Revisión de Reglamentos, Leyes y Proyectos	1	2	3
9. Preparación de Manuales y Hojas Informativas	0	0	0
10. Participación Pública	1	2	3
11. Investigación sobre contaminación Microbiológ	1	2	3
12. Investigación sobre contaminación Química	3	8	11
13. Investigación sobre Conexiones Cruzadas	1	3	4
14. Inspecciones a Plantas de Filtración	8	28	36
15. Inspecciones a Tanques	77	244	321
16. Inspecciones a Pozos	10	94	104
17. Inspecciones a Acueductos Rurales	0	0	0
18. Inspecciones a Cisternas	0	0	0
19. Inspecc. a Sistemas que sirven menos 25 pers	0	0	0
20. Encuestas Sanitarias	7	27	34
21. Visitas de Cotejo	2	88	90
22. Querellas Recibidas	5	29	34
23. Querellas Resueltas	5	29	34
24. Reuniones	11	82	93
25. C P E	0	0	0
26. Otras Actividades	319	2042	2361

ACTIVIDADES DE SISTEMAS PRASA	JUN-2012	ACUM.	TOTAL
1. Acciones de "Enforcement"	12	95	107
2. Acciones de Seguimiento	120	840	960
3. Asesoramiento Técnico	8	32	40
Certificación de Operadores	15	134	149
4. Seminarios y/o Adiestramientos Ofrecidos	0	0	0
5. Seminarios y/o Adiestramientos Recibidos	1	37	38
6. Charlas Ofrecidas	0	0	0
7. Charlas Recibidas	1	3	4
8. Revisión de Reglamentos, Leyes y Proyectos	0	3	3
9. Preparación de Manuales y Hojas Informativas	0	0	0
10. Participación Pública	0	3	3
11. Investigación sobre contaminación Microbiológ	1	3	4
12. Investigación sobre contaminación Química	1	11	12
13. Investigación sobre Conexiones Cruzadas	0	4	4
14. Inspecciones a Plantas de Filtración	7	36	43
15. Inspecciones a Tanques	71	321	392
16. Inspecciones a Pozos	35	104	139
17. Inspecciones a Acueductos Rurales	0	0	0
18. Inspecciones a Cisternas	0	0	0
19. Inspecc. a Sistemas que sirven menos 25 pers	0	0	0
20. Encuestas Sanitarias	10	34	44
21. Visitas de Cotejo	14	90	104
22. Querellas Recibidas	16	34	50
23. Querellas Resueltas	16	34	50
24. Reuniones	11	93	104
25. C P E	0	0	0
26. Otras Actividades	401	2361	2762

ACTIVIDADES DE SISTEMAS PRASA	JUL-2012	ACUM.	TOTAL
1. Acciones de "Enforcement"	12	107	119
2. Acciones de Seguimiento	55	960	1015
3. Asesoramiento Técnico	3	40	43
Certificación de Operadores	24	149	173
4. Seminarios y/o Adiestramientos Ofrecidos	0	0	0
5. Seminarios y/o Adiestramientos Recibidos	0	38	38
6. Charlas Ofrecidas	0	0	0
7. Charlas Recibidas	0	4	4
8. Revisión de Reglamentos, Leyes y Proyectos	0	3	3
9. Preparación de Manuales y Hojas Informativas	0	0	0
10. Participación Pública	0	3	3
11. Investigación sobre contaminación Microbiológ	0	4	4
12. Investigación sobre contaminación Química	0	12	12
13. Investigación sobre Conexiones Cruzadas	0	4	4
14. Inspecciones a Plantas de Filtración	8	43	51
15. Inspecciones a Tanques	45	392	437
16. Inspecciones a Pozos	11	139	150
17. Inspecciones a Acueductos Rurales	0	0	0
18. Inspecciones a Cisternas	0	0	0
19. Inspecc. a Sistemas que sirven menos 25 pers	0	0	0
20. Encuestas Sanitarias	2	44	46
21. Visitas de Cotejo	1	104	105
22. Querellas Recibidas	5	50	55
23. Querellas Resueltas	5	50	55
24. Reuniones	6	104	110
25. C P E	0	0	0
26. Otras Actividades	222	2762	2984

ACTIVIDADES DE SISTEMAS PRASA	AGO-2012	ACUM.	TOTAL
1. Acciones de "Enforcement"	10	119	129
2. Acciones de Seguimiento	210	1015	1225
3. Asesoramiento Técnico	6	43	49
Certificación de Operadores	23	173	196
4. Seminarios y/o Adiestramientos Ofrecidos	0	0	0
5. Seminarios y/o Adiestramientos Recibidos	0	38	38
6. Charlas Ofrecidas	0	0	0
7. Charlas Recibidas	1	4	5
8. Revisión de Reglamentos, Leyes y Proyectos	0	3	3
9. Preparación de Manuales y Hojas Informativas	0	0	0
10. Participación Pública	0	3	3
11. Investigación sobre contaminación Microbiológica	0	4	4
12. Investigación sobre contaminación Química	2	12	14
13. Investigación sobre Conexiones Cruzadas	0	4	4
14. Inspecciones a Plantas de Filtración	8	51	59
15. Inspecciones a Tanques	74	437	511
16. Inspecciones a Pozos	5	150	155
17. Inspecciones a Acueductos Rurales	0	0	0
18. Inspecciones a Cisternas	0	0	0
19. Inspecc. a sistemas que sirven menos 25 pers.	0	0	0
20. Encuestas Sanitarias	8	46	54
21. Visitas de Cotejo	7	105	112
22. Querellas Recibidas	5	55	60
23. Querellas Resueltas	5	55	60
24. Reuniones	5	110	115
25. C P E	0	0	0
26. Otras Actividades	365	2984	3349

ACTIVIDADES DE SISTEMAS PRASA	SEP-2012	ACUM.	TOTAL
1. Acciones de "Enforcement"	7	129	136
2. Acciones de Seguimiento	145	1225	1370
3. Asesoramiento Técnico	7	49	56
Certificación de Operadores	4	196	200
4. Seminarios y/o Adiestramientos Otrecidos	0	0	0
5. Seminarios y/o Adiestramientos Recibidos	2	38	40
6. Charlas Otrecidas	0	0	0
7. Charlas Recibidas	1	5	6
8. Revisión de Reglamentos, Leyes y Proyectos	0	3	3
9. Preparación de Manuales y Hojas Informativas	0	0	0
10. Participación Pública	0	3	3
11. Investigación sobre contaminación Microbiolog	1	4	5
12. Investigación sobre contaminación Química	1	14	15
13. Investigación sobre Conexiones Cruzadas	0	4	4
14. Inspecciones a Plantas de Filtración	7	59	66
15. Inspecciones a Tanques	52	511	563
16. Inspecciones a Pozos	10	155	165
17. Inspecciones a Acueductos Rurales	0	0	0
18. Inspecciones a Cisternas	0	0	0
19. Inspecc. a Sistemas que sirven menos 25 pers	0	0	0
20. Encuestas Sanitarias	5	54	59
21. Visitas de Cotejo	8	112	120
22. Querrelas Recibidas	4	60	64
23. Querrelas Resueltas	4	60	64
24. Reuniones	11	115	126
25. C P E	0	0	0
26. Otras Actividades	262	3349	3611

EVALUACION DE INFORMES

SECCION REVISION DE PLANOS
FY-12

TOTAL

1. Asesoramiento Tecnico	21
2. Endosos Preliminares	0
3. Adiestramientos	0
4. Proyectos Revisados Sometidos	24
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)	7
6. Proyectos Aprobados Fy Actual	17
7. Reuniones (Total)	0
a. A. A. A	0
b. Consultores Privados	0
c. Otras	0
8. Inspecciones a Proyectos	16
9. Re-inspecciones a Proyectos	0

EVALUACION DE INFORMES MENSUALES				
OCT-2011	SECCION REV. PLANOS			
		ACTUAL	ACUM	TOTAL
1. Asesoramiento Tecnico		0	0	0
2. Endosos Preliminares		0	0	0
3. Adiestramientos		0	0	0
4. Proyectos Revisados Sometidos		3	0	3
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)		0	0	0
6. Proyectos Aprobados Fy Actual		3 0	0	3
7. Reuniones (Total)		0	0	0
a. A. A. A		0	0	0
b.Consultores Privados		0	0	0
c. Otras		0	0	0
8. Inspecciones a Proyectos		0	0	0
9. Re-inspecciones a Proyectos		0	0	0
NOV-2011	No.	SECCION REV. PLANOS		
		ACTUAL	ACUM	TOTAL
1. Asesoramiento Tecnico		2	0	2
2. Endosos Preliminares		0	0	0
3. Adiestramientos		0	0	0
4. Proyectos Revisados Sometidos		0	3	3
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)		0	0	0
6. Proyectos Aprobados Fy Actual		0	3	3
7. Reuniones (Total)		0	0	0
a. A. A. A		0	0	0
b.Consultores Privados		0	0	0
c. Otras		0	0	0
8. Inspecciones a Proyectos		0	0	0
9. Re-inspecciones a Proyectos		0	0	0

EVALUACION DE INFORMES MENSUALES						
DIC-2011		SECCION REV. PLANOS		ACTUAL	ACUM	TOTAL
1. Asesoramiento Tecnico		0	2	2		
2. Endosos Preliminares		0	0	0		
3. Adiestramientos		0	0	0		
4. Proyectos Revisados Sometidos		0	3	3		
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)		0	0	0		
6. Proyectos Aprobados Fy Actual		0	3	3		
7. Reuniones (Total)		0	0	0		
a. A. A. A		0	0	0		
b.Consultores Privados		0	0	0		
c. Otras		0	0	0		
8. Inspecciones a Proyectos		1	0	1		
9. Re-inspecciones a Proyectos		0	0	0		
ENE-2012	No.	SECCION REV. PLANOS		ACTUAL	ACUM	TOTAL
1. Asesoramiento Tecnico		3	2	5		
2. Endosos Preliminares		0	0			
3. Adiestramientos		0	0	0		
4. Proyectos Revisados Sometidos		0	3	3		
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)		0	0	0		
6. Proyectos Aprobados Fy Actual		0	3	3		
7. Reuniones (Total)		0	0	0		
a. A. A. A		0	0	0		
b.Consultores Privados		0	0	0		
c. Otras		0	0	0		
8. Inspecciones a Proyectos		2	1	3		
9. Re-inspecciones a Proyectos		0	0	0		

EVALUACION DE INFORMES MENSUALES				
FEB-2012	SECCION REV. PLANOS			
		ACTUAL	ACUM	TOTAL
	1. Asesoramiento Tecnico	3	5	8
	2. Endosos Preliminares	0	0	0
	3. Adiestramientos	0	0	0
	4. Proyectos Revisados Sometidos	0	3	3
	5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)	0	0	0
	6. Proyectos Aprobados Fy Actual	0	3	3
	7. Reuniones (Total)	0	0	0
	a. A. A. A	0	0	0
	b.Consultores Privados	0	0	0
	c. Otras	0	0	0
	8. Inspecciones a Proyectos	2	3	5
	9. Re-inspecciones a Proyectos	0	0	0
MAR-2012	No.	SECCION REV. PLANOS		
		ACTUAL	ACUM	TOTAL
	1. Asesoramiento Tecnico	0	8	8
	2. Endosos Preliminares	0	0	0
	3. Adiestramientos	0	0	0
	4. Proyectos Revisados Sometidos	4	3	7
	5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)	1	0	1
	6. Proyectos Aprobados Fy Actual	3	3	6
	7. Reuniones (Total)	0	0	0
	a. A. A. A	0	0	0
	b.Consultores Privados	0	0	0
	c. Otras	0	0	0
	8. Inspecciones a Proyectos	3	5	8
	9. Re-inspecciones a Proyectos	0	0	0

EVALUACION DE INFORMES MENSUALES

ABR-2012

SECCION REV. PLANOS

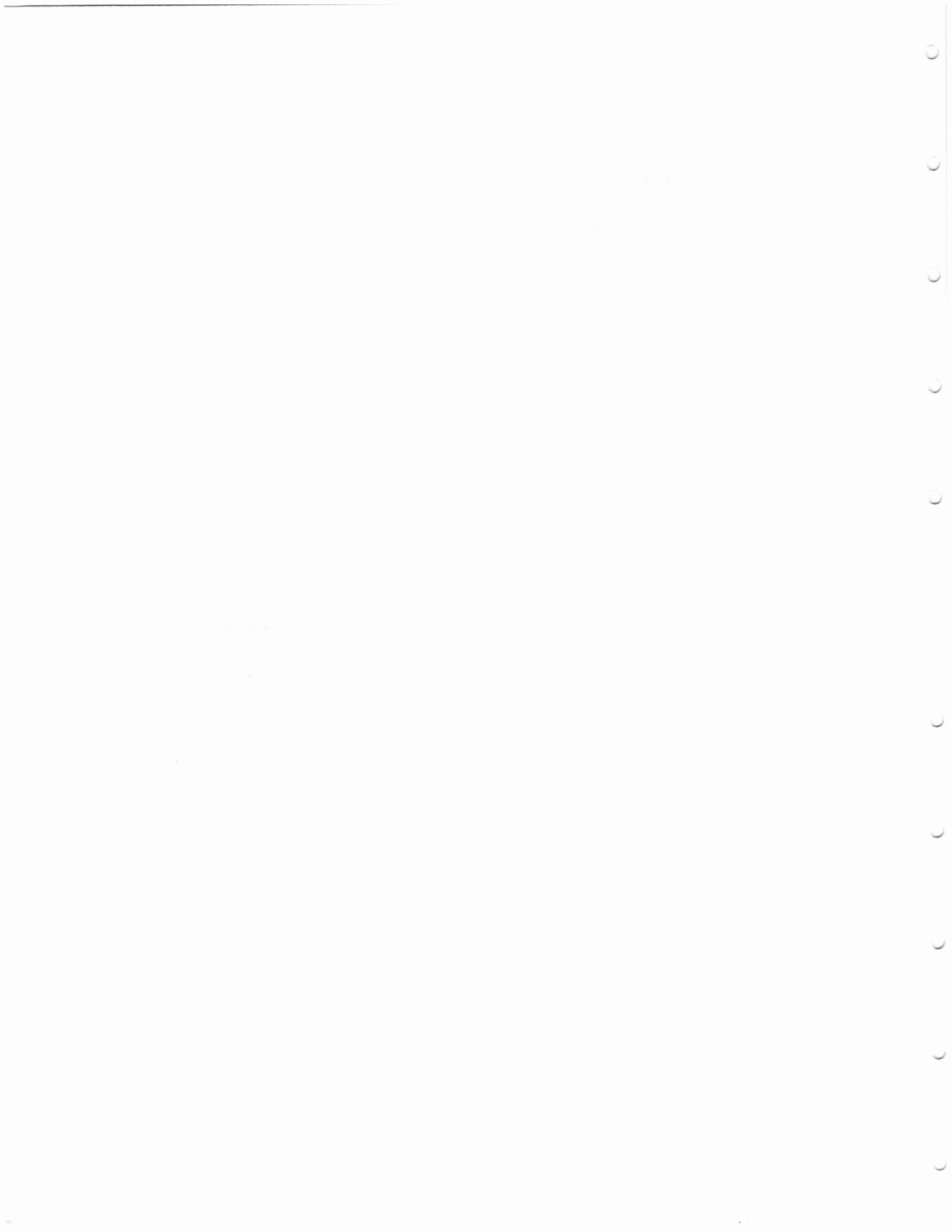
	ACTUAL	ACUM	TOTAL
1. Asesoramiento Tecnico	2	8	10
2. Endosos Preliminares	0	0	0
3. Adiestramientos	0	0	0
4. Proyectos Revisados Sometidos	2	7	9
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)	1	1	2
6. Proyectos Aprobados Fy Actual	1	6	7
7. Reuniones (Total)	0	0	0
a. A. A. A	0	0	0
b.Consultores Privados	0	0	0
c. Otras	0	0	0
8. Inspecciones a Proyectos	1	8	9
9. Re-inspecciones a Proyectos	0	0	0

MAY-2012

No.

SECCION REV. PLANOS

	ACTUAL	ACUM	TOTAL
1. Asesoramiento Tecnico	2	10	12
2. Endosos Preliminares	0	0	0
3. Adiestramientos	0	0	0
4. Proyectos Revisados Sometidos	2	9	11
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)	0	2	2
6. Proyectos Aprobados Fy Actual	3	7	10
7. Reuniones (Total)	0	0	0
a. A. A. A	0	0	0
b.Consultores Privados	0	0	0
c. Otras	0	0	0
8. Inspecciones a Proyectos	2	9	11
9. Re-inspecciones a Proyectos	0	0	0



EVALUACION DE INFORMES MENSUALES

JUN-2012

SECCION REV. PLANOS

	ACTUAL	ACUM	TOTAL
1. Asesoramiento Tecnico	2	12	14
2. Endosos Preliminares	0	0	0
3. Adiestramientos	0	0	0
4. Proyectos Revisados Sometidos	0	11	11
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)	0	2	2
6. Proyectos Aprobados Fy Actual	0	10	10
7. Reuniones (Total)	0	0	0
a. A. A. A	0	0	0
b.Consultores Privados	0	0	0
c. Otras	0	0	0
8. Inspecciones a Proyectos	1	11	12
9. Re-inspecciones a Proyectos	0	0	0

JUL-2012

No.

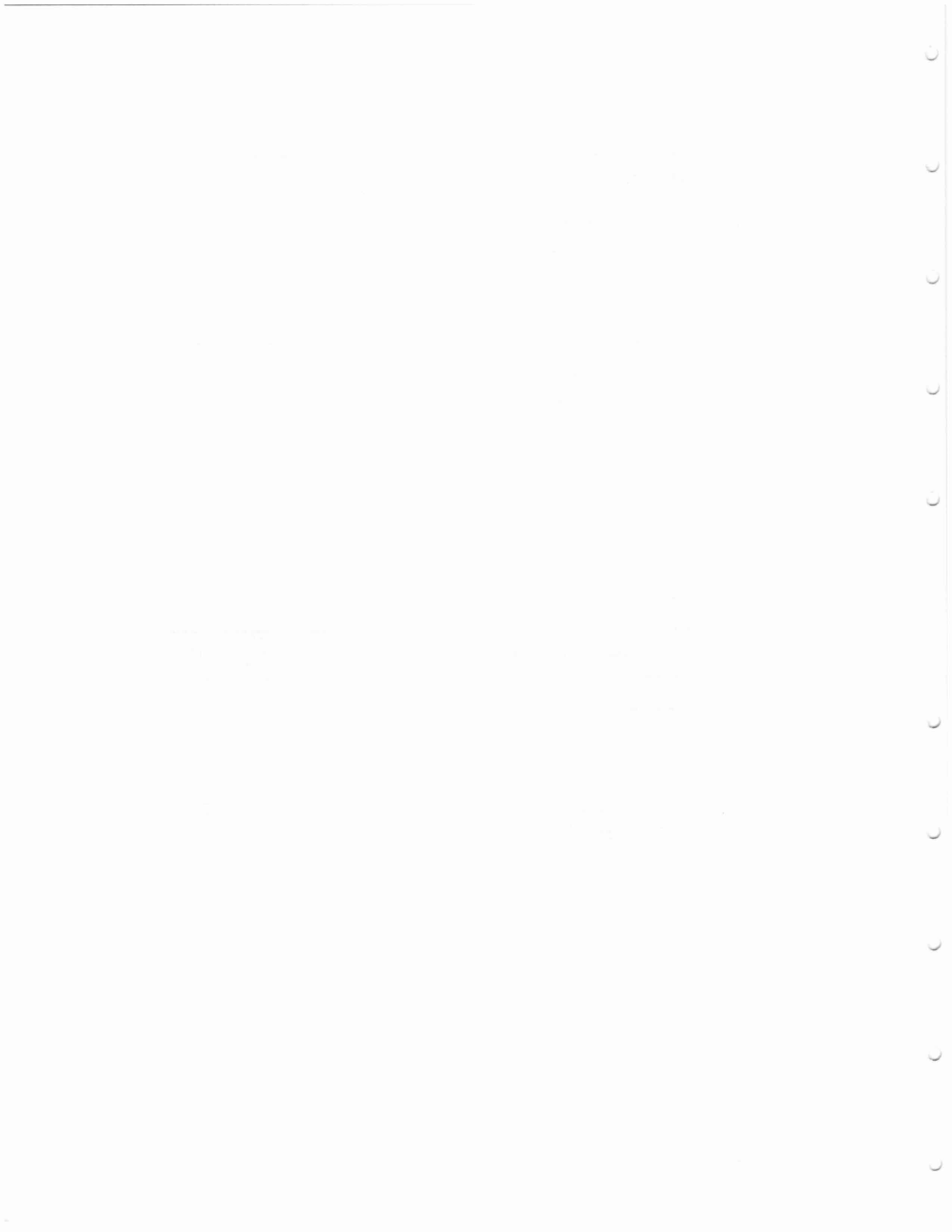
SECCION REV. PLANOS

ACTUAL

ACUM

TOTAL

1. Asesoramiento Tecnico	2	14	16
2. Endosos Preliminares	0	0	0
3. Adiestramientos	0	0	0
4. Proyectos Revisados Sometidos	1	11	12
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)	1	2	3
6. Proyectos Aprobados Fy Actual	0	10	10
7. Reuniones (Total)	0	0	0
a. A. A. A	0	0	0
b.Consultores Privados	0	0	0
c. Otras	0	0	0
8. Inspecciones a Proyectos	2	12	14
9. Re-inspecciones a Proyectos	0	0	0



EVALUACION DE INFORMES MENSUALES

AGO-2012

SECCION REV. PLANOS

	ACTUAL	ACUM	TOTAL
1. Asesoramiento Tecnico	3	16	19
2. Endosos Preliminares	0	0	0
3. Adiestramientos	0	0	0
4. Proyectos Revisados Sometidos	6	12	18
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)	4	3	7
6. Proyectos Aprobados Fy Actual	2	10	12
7. Reuniones (Total)	0	0	0
a. A. A. A	0	0	0
b.Consultores Privados	0	0	0
c. Otras	0	0	0
8. Inspecciones a Proyectos	1	14	15
9. Re-inspecciones a Proyectos	0	0	0

SEP-2012

No.

SECCION REV. PLANOS

	ACTUAL	ACUM	TOTAL
1. Asesoramiento Tecnico	2	19	21
2. Endosos Preliminares	0	0	0
3. Adiestramientos	0	0	0
4. Proyectos Revisados Sometidos	6	18	24
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)	1	7	8
6. Proyectos Aprobados Fy Actual	5	12	17
7. Reuniones (Total)	0	0	0
a. A. A. A	0	0	0
b.Consultores Privados	0	0	0
c. Otras	0	0	0
8. Inspecciones a Proyectos	1	15	16
9. Re-inspecciones a Proyectos	0	0	0

ATTACHMENT 4

DEPARTAMENTO DE SALUD
RESULTADOS DE MUESTRAS TOMADAS
POR LA DIVISION DE AGUA POTABLE FY-12

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Oct-11	1	BACTERIOLOGIA TOTAL	82	432	1	514	16%		514
		A. A. A.	29	350	1	379	8%		379
		COMUNAL PRIVADO	53	66	0	119	45%		119
		NO-COMUNAL & NON-TRANSIENT	0	16	0	16	0%		16
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%		0
		A. A. A.	0	0	0	0	0%		0
		COMUNAL PRIVADO	0	0	0	0	0%		0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%		0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%		0
		A. A. A.	0	0	0	0	0%		0
		COMUNAL PRIVADO	0	0	0	0	0%		0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%		0
	4	TURBIDEZ TOTAL	24	79	0	103	23%		103
		A. A. A.	7	63	0	70	10%		70
		COMUNAL PRIVADO	17	16	0	33	52%		33
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%		0

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Nov-11	1	BACTERIOLOGIA TOTAL	63	492	1	555	11%	514	1069
		A. A. A.	10	379	0	389	3%	379	768
		COMUNAL PRIVADO	51	84	0	135	38%	119	254
		NO-COMUNAL & NON-TRANSIENT	2	29	1	31	6%	16	47
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	16	69	0	85	19%	103	188
		A. A. A.	2	56	0	58	3%	70	128
		COMUNAL PRIVADO	14	12	0	26	54%	33	59
		NO-COMUNAL & NON-TRANSIENT	0	1	0	1	0%	0	1

DEPARTAMENTO DE SALUD
RESULTADOS DE MUESTRAS TOMADAS
POR LA DIVISION DE AGUA POTABLE FY-12

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Dec-11	1	BACTERIOLOGIA TOTAL	30	376	2	406	7%	1069	1475
		A. A. A.	9	300	2	309	3%	768	1077
		COMUNAL PRIVADO	21	63	0	84	25%	254	338
		NO-COMUNAL & NON-TRANSIENT	0	13	0	13	0%	47	60
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	5	74	0	79	6%	188	267
		A. A. A.	2	64	0	66	3%	128	194
		COMUNAL PRIVADO	3	10	0	13	23%	59	72
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	1	1

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Jan-12	1	BACTERIOLOGIA TOTAL	53	418	3	471	11%	1475	1946
		A. A. A.	8	347	1	355	2%	1077	1432
		COMUNAL PRIVADO	44	56	2	100	44%	338	438
		NO-COMUNAL & NON-TRANSIENT	1	15	0	16	6%	60	76
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	18	78	0	96	19%	267	363
		A. A. A.	1	63	0	64	2%	194	258
		COMUNAL PRIVADO	17	15	0	32	53%	72	104
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	1	1

DEPARTAMENTO DE SALUD
RESULTADOS DE MUESTRAS TOMADAS
POR LA DIVISION DE AGUA POTABLE FY-12

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Feb-12	1	BACTERIOLOGIA TOTAL	57	501	1	558	10%	1946	2504
		A. A. A.	19	394	1	413	5%	1432	1845
		COMUNAL PRIVADO	35	82	0	117	30%	438	555
		NO-COMUNAL & NON-TRANSIENT	3	25	0	28	11%	76	104
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	16	80	0	96	17%	363	459
		A. A. A.	7	66	0	73	10%	258	331
		COMUNAL PRIVADO	9	14	0	23	39%	104	127
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	1	1

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Mar-12	1	BACTERIOLOGIA TOTAL	35	422	1	457	8%	2504	2961
		A. A. A.	7	335	1	342	2%	1845	2187
		COMUNAL PRIVADO	28	67	0	95	29%	555	650
		NO-COMUNAL & NON-TRANSIENT	0	20	0	20	0%	104	124
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	8	97	0	105	8%	459	564
		A. A. A.	2	66	0	68	3%	331	399
		COMUNAL PRIVADO	6	27	0	33	18%	127	160
		NO-COMUNAL & NON-TRANSIENT	0	4	0	4	0%	1	5

DEPARTAMENTO DE SALUD
RESULTADOS DE MUESTRAS TOMADAS
POR LA DIVISION DE AGUA POTABLE FY-12

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Apr-12	1	BACTERIOLOGIA TOTAL	55	447	0	502	11%	2961	3463
		A. A. A.	17	367	0	384	4%	2187	2571
		COMUNAL PRIVADO	36	66	0	102	35%	650	752
		NO-COMUNAL & NON-TRANSIENT	2	14	0	16	13%	124	140
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	10	89	0	99	10%	564	663
		A. A. A.	2	65	0	67	3%	399	466
		COMUNAL PRIVADO	8	24	0	32	25%	160	192
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	5	5

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
May-12	1	BACTERIOLOGIA TOTAL	68	487	0	555	12%	3463	4018
		A. A. A.	12	375	0	387	3%	2571	2958
		COMUNAL PRIVADO	53	90	0	143	37%	752	895
		NO-COMUNAL & NON-TRANSIENT	3	22	0	25	12%	140	165
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	7	70	0	77	9%	663	740
		A. A. A.	3	54	0	57	5%	466	523
		COMUNAL PRIVADO	4	16	0	20	20%	192	212
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	5	5

DEPARTAMENTO DE SALUD
RESULTADOS DE MUESTRAS TOMADAS
POR LA DIVISION DE AGUA POTABLE FY-12

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Jun-12	1	BACTERIOLOGIA TOTAL	32	401	0	433	7%	4018	4451
		A. A. A.	11	332	0	343	3%	2958	3301
		COMUNAL PRIVADO	21	51	0	72	29%	895	967
		NO-COMUNAL & NON-TRANSIENT	0	18	0	18	0%	165	183
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	4	71	0	75	5%	740	815
		A. A. A.	0	59	0	59	0%	523	582
		COMUNAL PRIVADO	4	12	0	16	25%	212	228
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	5	5

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Jul-12	1	BACTERIOLOGIA TOTAL	52	441	0	493	11%	4451	4944
		A. A. A.	16	362	0	378	4%	3301	3679
		COMUNAL PRIVADO	36	63	0	99	36%	967	1066
		NO-COMUNAL & NON-TRANSIENT	0	16	0	16	0%	183	199
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	8	69	0	77	10%	815	892
		A. A. A.	0	50	0	50	0%	582	632
		COMUNAL PRIVADO	8	19	0	27	30%	228	255
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	5	5

DEPARTAMENTO DE SALUD
RESULTADOS DE MUESTRAS TOMADAS
POR LA DIVISION DE AGUA POTABLE FY-12

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Aug-12	1	BACTERIOLOGIA TOTAL	75	453	0	528	14%	4944	5472
		A. A. A.	15	353	0	368	4%	3679	4047
		COMUNAL PRIVADO	57	74	0	131	44%	1066	1197
		NO-COMUNAL & NON-TRANSIENT	3	26	0	29	10%	199	228
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	10	74	0	84	12%	892	976
		A. A. A.	2	55	0	57	4%	632	689
		COMUNAL PRIVADO	8	19	0	27	30%	255	282
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	5	5

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Sep-12	1	BACTERIOLOGIA TOTAL	32	404	0	436	7%	5472	5908
		A. A. A.	11	323	0	334	3%	4047	4381
		COMUNAL PRIVADO	21	67	0	88	24%	1197	1285
		NO-COMUNAL & NON-TRANSIENT	0	14	0	14	0%	228	242
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	3	75	0	78	4%	976	1054
		A. A. A.	2	61	0	63	3%	689	752
		COMUNAL PRIVADO	1	14	0	15	7%	282	297
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	5	5

RESUMEN DE RESULTADOS BACTERIOLOGICOS
MUESTRAS TOMADAS POR DEPARTAMENTO DE SALUD FY-12
SISTEMAS PUBLICOS DE AGUA

FECHA	REGION	PRASA (A. A. A.)			COMUNAL PRIVADO			NO COMUNAL & NON-TRANSIENT		
		MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO	MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO	MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO
Oct-11	METROPOLITANA	20	2	10.00%	2	1	50.00%	0	0	0.00%
	NORTE	81	2	2.47%	20	4	20.00%	8	0	0.00%
	OESTE	103	1	0.97%	21	7	33.33%	2	0	0.00%
	SUR	139	12	8.63%	71	37	52.11%	6	0	0.00%
	ESTE	36	12	33.33%	5	4	80.00%	0	0	0.00%
	TOTAL DEL MES	379	29	7.65%	119	53	44.54%	16	0	0.00%
	TOTAL ACUMULADO	0	0	0.00%	0	0	0.00%	0	0	0.00%
	TOTAL ACTUAL	379	29	7.65%	119	53	44.54%	16	0	0.00%
Nov-11	METROPOLITANA	34	0	0.00%	0	0	0.00%	0	0	0.00%
	NORTE	76	6	7.89%	16	5	31.25%	7	1	14.29%
	OESTE	96	1	1.04%	11	1	9.09%	1	0	0.00%
	SUR	135	3	2.22%	63	30	47.62%	13	0	0.00%
	ESTE	48	0	0.00%	45	15	33.33%	10	1	10.00%
	TOTAL DEL MES	389	10	2.57%	135	51	37.78%	31	2	6.45%
	TOTAL ACUMULADO	379	29	7.65%	119	53	44.54%	16	0	0.00%
	TOTAL ACTUAL	768	39	5.08%	254	104	40.94%	47	2	4.26%
Dec-11	METROPOLITANA	13	0	0.00%	0	0	0.00%	0	0	0.00%
	NORTE	59	3	5.08%	15	4	26.67%	6	0	0.00%
	OESTE	88	3	3.41%	23	6	26.09%	2	0	0.00%
	SUR	124	3	2.42%	42	10	23.81%	4	0	0.00%
	ESTE	25	0	0.00%	4	1	25.00%	1	0	0.00%
	TOTAL DEL MES	309	9	2.91%	84	21	25.00%	13	0	0.00%
	TOTAL ACUMULADO	768	39	5.08%	254	104	40.94%	47	2	4.26%
	TOTAL ACTUAL	1077	48	4.46%	338	125	36.98%	60	2	3.33%
Jan-12	METROPOLITANA	25	0	0.00%	1	1	100.00%	0	0	0.00%
	NORTE	74	3	4.05%	16	7	43.75%	9	1	11.11%
	OESTE	92	1	1.09%	10	0	0.00%	1	0	0.00%
	SUR	125	1	0.80%	69	36	52.17%	6	0	0.00%
	ESTE	39	3	7.69%	4	0	0.00%	0	0	0.00%
	TOTAL DEL MES	355	8	2.25%	100	44	44.00%	16	1	6.25%
	TOTAL ACUMULADO	1077	48	4.46%	338	125	36.98%	60	2	3.33%
	TOTAL ACTUAL	1432	56	3.91%	438	169	38.58%	76	3	3.95%

RESUMEN DE RESULTADOS BACTERIOLOGICOS
MUESTRAS TOMADAS POR DEPARTAMENTO DE SALUD FY-12
SISTEMAS PUBLICOS DE AGUA

FECHA	REGION	PRASA (A. A. A.)			COMUNAL PRIVADO			NO COMUNAL & NON-TRANSIENT		
		MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO	MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO	MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO
Feb-12	METROPOLITANA	32	0	0.00%	1	1	100.00%	0	0	0.00%
	NORTE	90	6	6.67%	23	7	30.43%	6	0	0.00%
	OESTE	91	2	2.20%	12	1	8.33%	1	0	0.00%
	SUR	147	6	4.08%	50	16	32.00%	6	1	16.67%
	ESTE	53	5	9.43%	31	10	32.26%	15	2	13.33%
	TOTAL DEL MES	413	19	4.60%	117	35	29.91%	28	3	10.71%
	TOTAL ACUMULADO	1432	56	3.91%	438	169	38.58%	76	3	3.95%
	TOTAL ACTUAL	1845	75	4.07%	555	204	36.76%	104	6	5.77%
Mar-12	METROPOLITANA	11	0	0.00%	1	0	0.00%	0	0	0.00%
	NORTE	86	2	2.33%	17	6	35.29%	5	0	0.00%
	OESTE	78	1	1.28%	21	6	28.57%	2	0	0.00%
	SUR	124	0	0.00%	49	15	30.61%	13	0	0.00%
	ESTE	43	4	9.30%	7	1	14.29%	0	0	0.00%
	TOTAL DEL MES	342	7	2.05%	95	28	29.47%	20	0	0.00%
	TOTAL ACUMULADO	1845	75	4.07%	555	204	36.76%	104	6	5.77%
	TOTAL ACTUAL	2187	82	3.75%	650	232	35.69%	124	6	4.84%
Apr-12	METROPOLITANA	20	0	0.00%	2	1	50.00%	0	0	0.00%
	NORTE	87	3	3.45%	17	7	41.18%	8	0	0.00%
	OESTE	97	8	8.25%	11	1	0.00%	1	1	100.00%
	SUR	129	5	3.88%	65	24	36.92%	6	1	16.67%
	ESTE	51	1	1.96%	7	3	42.86%	1	0	0.00%
	TOTAL DEL MES	384	17	4.43%	102	36	35.29%	16	2	12.50%
	TOTAL ACUMULADO	2187	82	3.75%	650	232	35.69%	124	6	4.84%
	TOTAL ACTUAL	2571	99	3.85%	752	268	35.64%	140	8	5.71%
May-12	METROPOLITANA	24	0	0.00%	1	0	0.00%	0	0	0.00%
	NORTE	95	1	1.05%	17	6	35.29%	3	0	0.00%
	OESTE	85	1		21	5	23.81%	2	1	50.00%
	SUR	125	4	3.20%	52	24	46.15%	4	0	0.00%
	ESTE	58	6	10.34%	52	18	34.62%	16	2	12.50%
	TOTAL DEL MES	387	12	3.10%	143	53	37.06%	25	3	12.00%
	TOTAL ACUMULADO	2571	99	3.85%	752	268	35.64%	140	8	5.71%
	TOTAL ACTUAL	2958	111	3.75%	895	321	35.87%	165	11	6.67%

RESUMEN DE RESULTADOS BACTERIOLOGICOS
MUESTRAS TOMADAS POR DEPARTAMENTO DE SALUD FY-12
SISTEMAS PUBLICOS DE AGUA

FECHA	REGION	PRASA (A. A. A.)			COMUNAL PRIVADO			NO COMUNAL & NON-TRANSIENT		
		MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO	MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO	MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO
Jun-12	METROPOLITANA	15	0	0.00%	2	1	50.00%	0	0	0.00%
	NORTE	89	1	1.12%	17	5	29.41%	3	0	0.00%
	OESTE	70	3	4.29%	0	0	0.00%	0	0	0.00%
	SUR	117	3	2.56%	46	12	26.09%	14	0	0.00%
	ESTE	52	4	7.69%	7	3	42.86%	1	0	0.00%
	TOTAL DEL MES	343	11	3.21%	72	21	29.17%	18	0	0.00%
	TOTAL ACUMULADO	2958	111	3.75%	895	321	35.87%	165	11	6.67%
	TOTAL ACTUAL	3301	122	3.70%	967	342	35.37%	183	11	6.01%
Jul-12	METROPOLITANA	15	0	0.00%	2	1	50.00%	0	0	0.00%
	NORTE	102	5	4.90%	15	4	26.67%	8	0	0.00%
	OESTE	82	6	7.32%	17	4	23.53%	2	0	0.00%
	SUR	123	3	2.44%	58	26	44.83%	6	0	0.00%
	ESTE	56	2	3.57%	7	1	14.29%	0	0	0.00%
	TOTAL DEL MES	378	16	4.23%	99	36	36.36%	16	0	0.00%
	TOTAL ACUMULADO	3301	122	3.70%	967	342	35.37%	183	11	6.01%
	TOTAL ACTUAL	3679	138	3.75%	1066	378	35.46%	199	11	5.53%
Aug-12	METROPOLITANA	31	2	6.45%	1	0	0.00%	0	0	0.00%
	NORTE	88	2	2.27%	19	8	42.11%	6	0	0.00%
	OESTE	85	2	2.35%	10	1	10.00%	1	1	100.00%
	SUR	117	3	2.56%	59	30	50.85%	9	1	11.11%
	ESTE	47	6	12.77%	42	18	42.86%	13	1	7.69%
	TOTAL DEL MES	368	15	4.08%	131	57	43.51%	29	3	10.34%
	TOTAL ACUMULADO	3679	138	3.75%	1066	378	35.46%	199	11	5.53%
	TOTAL ACTUAL	4047	153	3.78%	1197	435	36.34%	228	14	6.14%
Sep-12	METROPOLITANA	10	0	0.00%	1	0	0.00%	0	0	0.00%
	NORTE	87	2	2.30%	13	3	23.08%	3	0	0.00%
	OESTE	89	3	3.37%	21	6	28.57%	2	0	0.00%
	SUR	122	4	3.28%	47	11	23.40%	9	0	0.00%
	ESTE	26	2	7.69%	6	1	16.67%	0	0	0.00%
	TOTAL DEL MES	334	11	3.29%	88	21	23.86%	14	0	0.00%
	TOTAL ACUMULADO	4047	153	3.78%	1197	435	36.34%	228	14	6.14%
	TOTAL FY-12	4381	164	3.74%	1285	456	35.49%	242	14	5.79%

ATTACHMENT 5

RESUMEN DE RESULTADOS BACTERIOLOGICOS
MUESTRAS TOMADAS POR PRASA FY-12
SISTEMAS PRASA

FECHA	REGION	MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO
Oct-11				
	SAN JUAN	310	0	0.00%
	BAYAMON	185	0	0.00%
	ARECIBO	763	3	0.39%
	MAYAGUEZ	482	8	1.66%
	PONCE	514	7	1.36%
	GUAYAMA	375	1	0.27%
	HUMACAO	624	1	0.16%
	TOTAL DEL MES	3253	20	0.61%
	TOTAL ACUMULADO	0	0	0.00%
	TOTAL ACTUAL	3253	20	0.61%
Nov-11	SAN JUAN	313	1	0.32%
	BAYAMON	184	1	0.54%
	ARECIBO	737	3	0.41%
	MAYAGUEZ	463	1	0.22%
	PONCE	512	4	0.78%
	GUAYAMA	374	3	0.80%
	HUMACAO	614	6	0.98%
	TOTAL DEL MES	3197	19	0.59%
	TOTAL ACUMULADO	3253	20	0.61%
	TOTAL ACTUAL	6450	39	0.60%
Dec-11	SAN JUAN	308	0	0.00%
	BAYAMON	188	2	1.06%
	ARECIBO	741	3	0.40%
	MAYAGUEZ	464	7	1.51%
	PONCE	523	3	0.57%
	GUAYAMA	382	3	0.79%
	HUMACAO	611	1	0.16%
	TOTAL DEL MES	3217	19	0.59%
	TOTAL ACUMULADO	6450	39	0.60%
	TOTAL ACTUAL	9667	58	0.60%
Jan-12	SAN JUAN	323	1	0.31%
	BAYAMON	191	2	1.05%
	ARECIBO	761	4	0.53%
	MAYAGUEZ	455	0	0.00%
	PONCE	518	6	1.16%
	GUAYAMA	374	7	1.87%
	HUMACAO	621	9	1.45%
	TOTAL DEL MES	3243	29	0.89%
	TOTAL ACUMULADO	9667	58	0.60%
	TOTAL ACTUAL	12910	87	0.67%

RESUMEN DE RESULTADOS BACTERIOLOGICOS
MUESTRAS TOMADAS POR PRASA FY-12
SISTEMAS PRASA

FECHA	REGION	MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO
Feb-12				
	SAN JUAN	308	5	1.62%
	BAYAMON	186	2	1.08%
	ARECIBO	738	4	0.54%
	MAYAGUEZ	463	3	0.65%
	PONCE	520	5	0.96%
	GUAYAMA	372	2	0.54%
	HUMACAO	635	12	1.89%
	TOTAL DEL MES	3222	33	1.02%
	TOTAL ACUMULADO	12910	87	0.67%
	TOTAL ACTUAL	16132	120	0.74%
Mar-12	SAN JUAN	307	2	0.65%
	BAYAMON	196	1	0.51%
	ARECIBO	758	5	0.66%
	MAYAGUEZ	460	0	0.00%
	PONCE	518	1	0.19%
	GUAYAMA	372	0	0.00%
	HUMACAO	621	2	0.32%
	TOTAL DEL MES	3232	11	0.34%
	TOTAL ACUMULADO	16132	120	0.74%
	TOTAL ACTUAL	19364	131	0.68%
Apr-12	SAN JUAN	307	3	0.98%
	BAYAMON	183	2	1.09%
	ARECIBO	751	3	0.40%
	MAYAGUEZ	469	2	0.43%
	PONCE	537	1	0.19%
	GUAYAMA	372	1	0.27%
	HUMACAO	619	2	0.32%
	TOTAL DEL MES	3238	14	0.43%
	TOTAL ACUMULADO	19364	131	0.68%
	TOTAL ACTUAL	22602	145	0.64%
May-12	SAN JUAN	307	1	0.33%
	BAYAMON	162	0	0.00%
	ARECIBO	829	5	0.60%
	MAYAGUEZ	465	2	0.43%
	PONCE	522	1	0.19%
	GUAYAMA	353	10	2.83%
	HUMACAO	621	0	0.00%
	TOTAL DEL MES	3259	19	0.58%
	TOTAL ACUMULADO	22602	145	0.64%
	TOTAL ACTUAL	25861	164	0.63%

RESUMEN DE RESULTADOS BACTERIOLOGICOS
MUESTRAS TOMADAS POR PRASA FY-12
SISTEMAS PRASA

FECHA	REGION	MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO
Jun-12				
	SAN JUAN	308	0	0.00%
	BAYAMON	163	2	1.23%
	ARECIBO	833	6	0.72%
	MAYAGUEZ	482	4	0.83%
	PONCE	516	6	1.16%
	GUAYAMA	359	0	0.00%
	HUMACAO	625	4	0.64%
	TOTAL DEL MES	3286	22	0.67%
	TOTAL ACUMULADO	25861	164	0.63%
	TOTAL ACTUAL	29147	186	0.64%
Jul-12	SAN JUAN	309	1	0.32%
	BAYAMON	164	0	0.00%
	ARECIBO	852	12	1.41%
	MAYAGUEZ	495	3	0.61%
	PONCE	528	2	0.38%
	GUAYAMA	355	2	0.56%
	HUMACAO	621	2	0.32%
	TOTAL DEL MES	3324	22	0.66%
	TOTAL ACUMULADO	29147	186	0.64%
	TOTAL ACTUAL	32471	208	0.64%
Aug-12	SAN JUAN	316	0	0.00%
	BAYAMON	164	0	0.00%
	ARECIBO	833	5	0.60%
	MAYAGUEZ	476	1	0.21%
	PONCE	539	14	2.60%
	GUAYAMA	348	2	0.57%
	HUMACAO	626	6	0.96%
	TOTAL DEL MES	3302	28	0.85%
	TOTAL ACUMULADO	32471	208	0.64%
	TOTAL ACTUAL	35773	236	0.66%
Sep-12	SAN JUAN	317	2	0.63%
	BAYAMON	162	0	0.00%
	ARECIBO	830	2	0.24%
	MAYAGUEZ	470	1	0.21%
	PONCE	552	7	1.27%
	GUAYAMA	355	1	0.28%
	HUMACAO	620	0	0.00%
	TOTAL DEL MES	3306	13	0.39%
	TOTAL ACUMULADO	35773	236	0.66%
	GRAN TOTAL	39079	249	0.64%

ATTACHMENT 6

**DEPARTAMENTO DE SALUD
DIVISION DE AGUA POTABLE
SISTEMAS PRASA (FY-12)
INTERMITENTES MCL-BACTERIOLOGIA
TOTAL = 21**

Pws -ID	SISTEMA	MUNICIPIO
PR0002712	JAYUYA URBANO	JAYUYA
PR0002722	BARCELONETA URBANO	BARCELONETA
PR0002762	MOROVIS URBANO	MOROVIS
PR0002782	GARROCHALES	ARECIBO
PR0002832	SANTANA	ARECIBO
PR0003042	LA PICA	JAYUYA
PR0003294	RAFAEL MATIAS	AGUADA
PR0004044	OROCOVIS URBANO	OROCOVIS
PR0004084	ENSENADA	GUANICA
PR0004314	YAUCO	YAUCO
PR0004454	REAL ANON	PONCE
PR0004584	GARZAS	ADJUNTAS
PR0004605	BARRANQUITAS URBANO	BARRANQUITAS
PR0004634	CERRILLOS	PONCE
PR0004644	AGUSTILLO	JUANA DIAZ
PR0004915	COQUI	SALINAS
PR0004925	FARALLON	CAYEY
PR0005166	JUNCOS - CEIBA SUR	JUNCOS
PR0005196	YABUCOA URBANO	YABUCOA

Pws -ID	SISTEMA	MUNICIPIO
PR0005396	SAN SALVADOR	CAGUAS
PR0005466	PAISAJE DEL LAGO	LUQUILLO

**DEPARTAMENTO DE SALUD
DIVISION DE AGUA POTABLE
SISTEMAS PRASA (FY-12)
INTERMITENTES MCL-TURBIDEZ
TOTAL = 7**

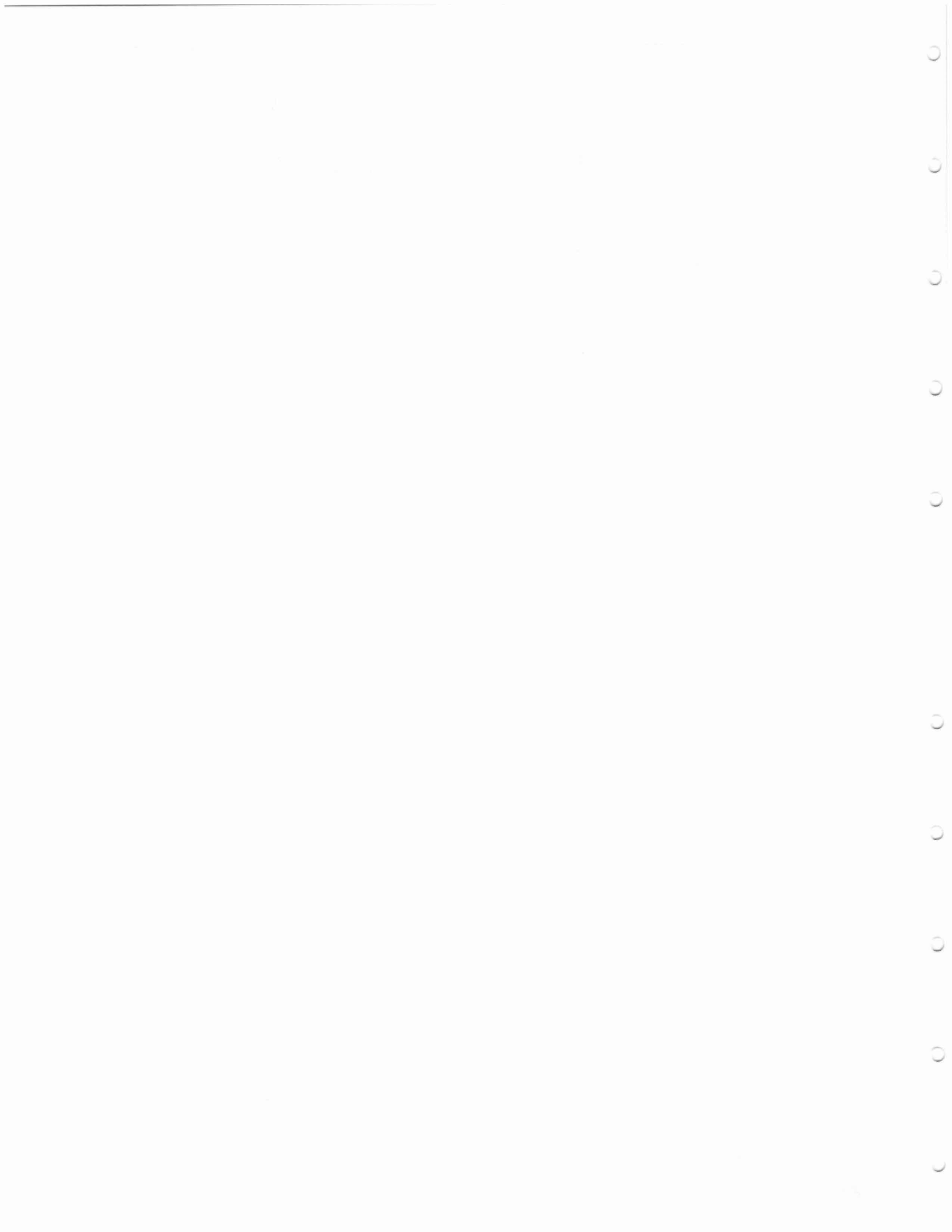
Pws -ID	SISTEMA	MUNICIPIO
PR0002591	METRO	METROPOLITANO
PR0002692	LARES URBANO	LARES
PR0003283	MAYAGUEZ-MIRADERO	MAYAGUEZ
PR0003343	LAJAS NUEVA	LAJAS
PR0005316	LUQUILLO URBANO	LUQUILLO
PR0005487	COROZAL URBANO	COROZAL
PR0005537	NEGROS	COROZAL

**DEPARTAMENTO DE SALUD
DIVISION DE AGUA POTABLE
SISTEMAS PRASA FY-12
INTERMITENTES MR-BACTERIOLOGIA
TOTAL = 1**

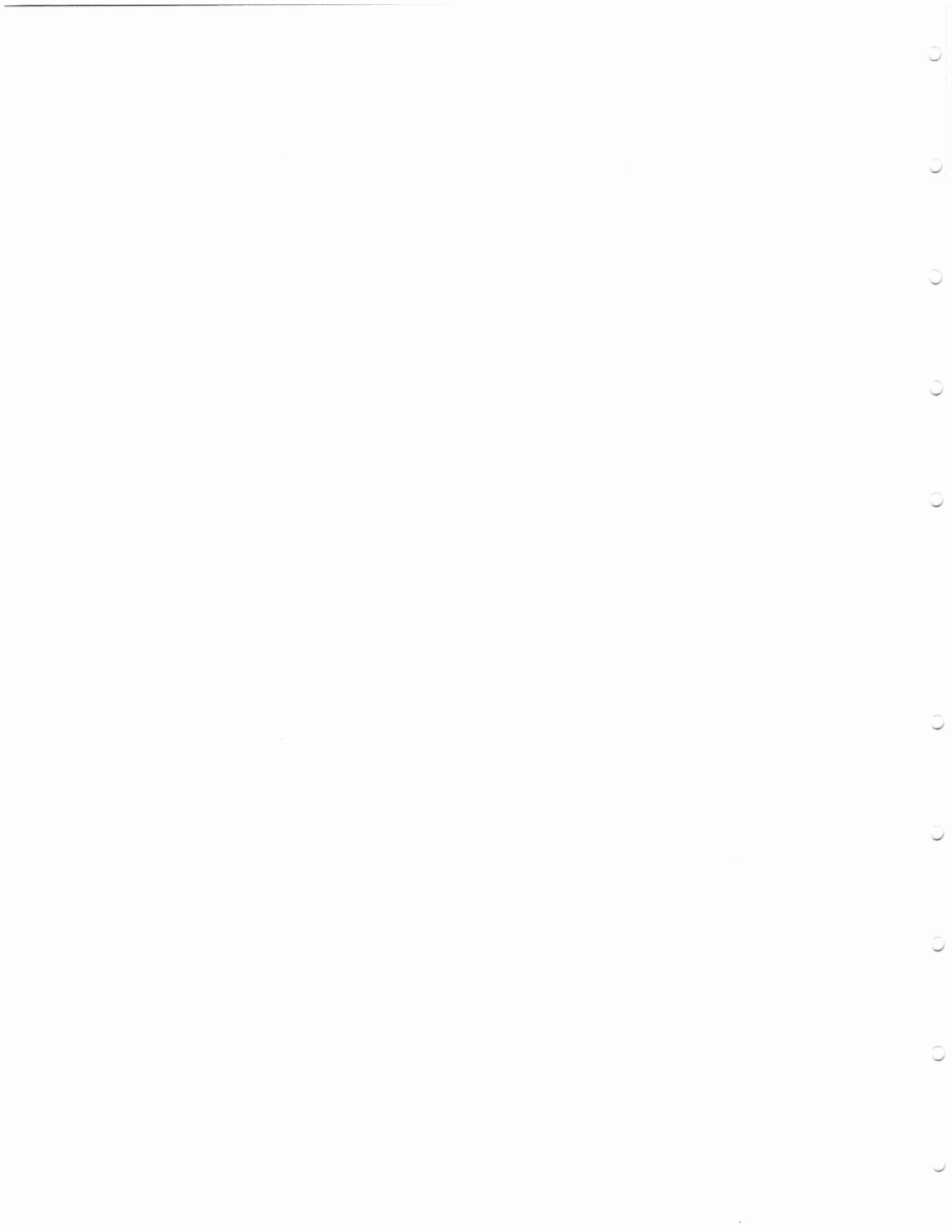
Pws -ID	SISTEMA	MUNICIPIO
PR0003824	PONCE URBANO	PONCE

**DEPARTAMENTO DE SALUD
DIVISION DE AGUA POTABLE
SISTEMAS PRASA FY-12
INTERMITENTES MR-TURBIDEZ
TOTAL = 1**

Pws -ID	SISTEMA	MUNICIPIO
PR0004524	COTO LAUREL	PONCE



ATTACHMENT 7



**DEPARTAMENTO DE SALUD
DIVISION DE AGUA POTABLE
SISTEMAS NON-PRASA FY-12
PERSISTENTES MCL-BACTERIOLOGIA
TOTAL = 4**

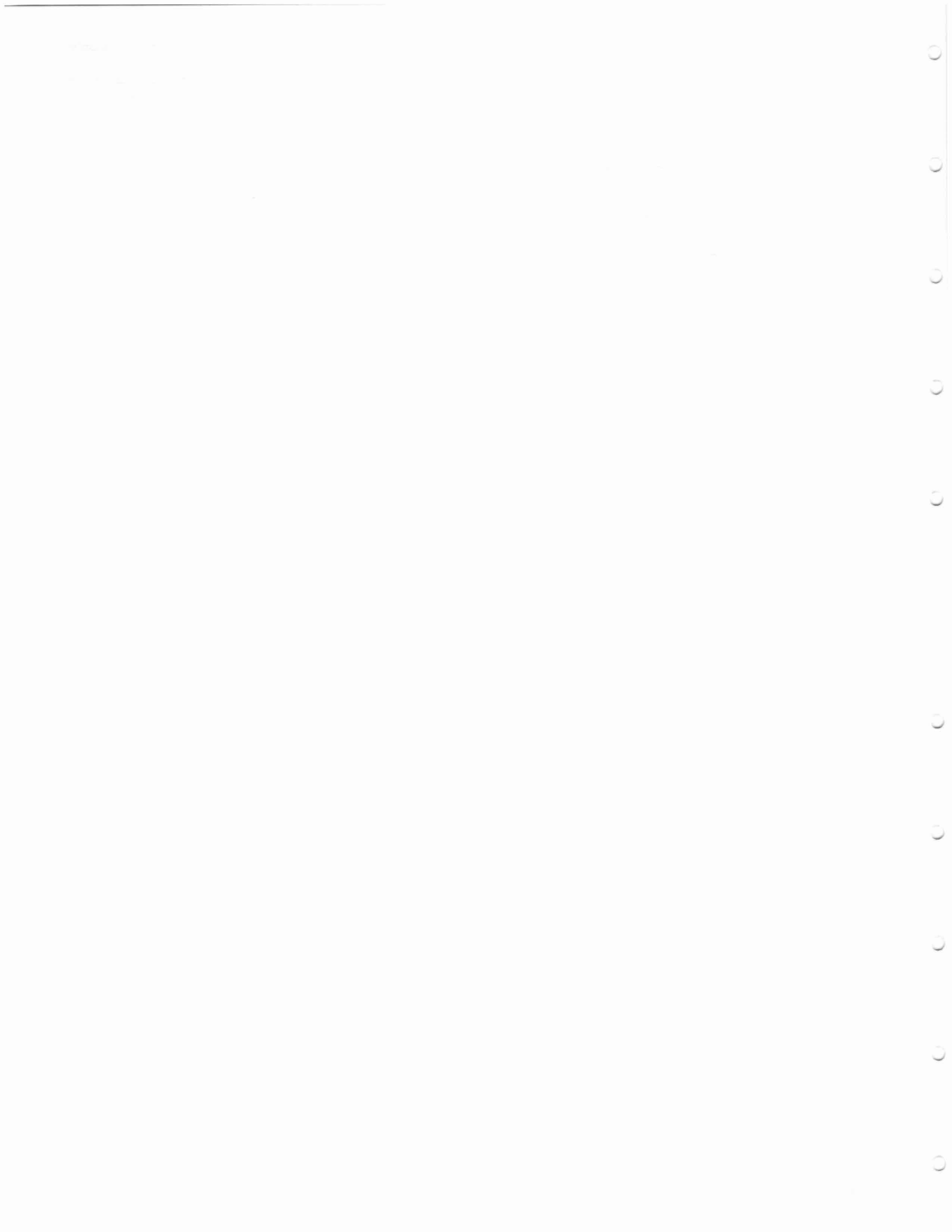
Pws -ID	SISTEMA	MUNICIPIO
PR0238012	ZAMAS	JAYUYA
PR0302053	COM. AISLADA EN DESARROLLO	AGUADA
PR0613106	SECTOR LOZADA Y POZO DULCE	CAGUAS
PR0677196	ACUED. RURAL SECT. EL VEINTE	YABUCA

**DEPARTAMENTO DE SALUD
DIVISION DE AGUA POTABLE
SISTEMAS NON-PRASA FY-12
INTERMITENTES MCL-BACTERIOLOGIA
TOTAL = 41**

Pws -ID	SISTEMA	MUNICIPIO
PR0238022	SANTA ROSA	JAYUYA
PR0364013	PERICHE	SAN GERMAN
PR0401234	GARZAS JUNCOS	ADJUNTAS
PR0401294	ASOCIACION ACUEDUCTO REVENTON	ADJUNTAS
PR0455164	PELLEJAS II	OROCOVIS
PR0455294	COM. SALTOS CABRA	OROCOVIS
PR0455314	CORPORACION SALTOS PELLEJA	OROCOVIS
PR0457064	ACD. COMUNAL BO. RUCIO (ACBRI)	PENUELAS
PR0458044	BO. MONTE LLANOS	PONCE
PR0458194	ANON CARMELITA	PONCE
PR0476154	VISTA ALEGRE	VILLALBA
PR0478044	CERROTE	YAUCO
PR0505075	ALGARROBO NUEVO	AIBONITO
PR0510055	CANABON ABAJO	BARRANQUITAS
PR0510065	TABOR	BARRANQUITAS
PR0510165	COM. DOÑA MAYO (EL LLANO II)	BARRANQUITAS
PR0510215	COM. BARRANCAS CENTRO	BARRANQUITAS

Pws -ID	SISTEMA	MUNICIPIO
PR0510225	ACUED. CANABON SECT. EL PARQUE	BARRANQUITAS
PR0518075	VECINOS COMUNIDAD LUIS LEBRON	CAYEY
PR0518105	ASOC. VILLAS GUAVATE	CAYEY
PR0521025	CARRASQUILLO	CIDRA
PR0521035	PELEGRIN SANTO	CIDRA
PR0521075	COM. AISLADA ALMIRANTE	CIDRA
PR0556055	MAMEY	PATILLAS
PR0604066	JUAN ASECIO	AGUAS BUENAS
PR0604076	COMUNIDAD-MADRIGUERA	AGUAS BUENAS
PR0604086	BAYAMONCITO	AGUAS BUENAS
PR0613046	ACUED. RURAL TURABO ARRIBA	CAGUAS
PR0613246	USUARIOS POZO PROFUNDO	CAGUAS
PR0613426	EL MANANTIAL	CAGUAS
PR0636046	COLEGIO SAN ANTONIO ABAD	HUMACAO
PR0644076	LIJAS	LAS PIEDRAS
PR0644136	ACUED. RURAL MONTONES 4	LAS PIEDRAS
PR0666016	ASOC. VECINO SECTOR OQUENDO	SAN LORENZO
PR0666086	CORPORACION SEC. CANTERA	SAN LORENZO
PR0666096	COMUNIDAD SECTOR LOS GOMEZ	SAN LORENZO
PR0666106	EL CERRO	SAN LORENZO

Pws -ID	SISTEMA	MUNICIPIO
PR0666126	ACUED. COM. EDEM	SAN LORENZO
PR0677076	ACUED. BO. GUAYABOTA	YABUCOA
PR0677216	JACANAS SUR	YABUCOA
PR0754077	FEIJO	NARANJITO



**DEPARTAMENTO DE SALUD
DIVISION DE AGUA POTABLE
SISTEMAS NON-PRASA FY-12
PERSISTENTES MR-BACTERIOLOGIA
TOTAL = 145**

Pws -ID	SISTEMA	MUNICIPIO
PR0115011	CUBUY-MARINE	CANOVANAS
PR0115031	FINCA LOS GARCIA	CANOVANAS
PR0207002	CAMPAMENTO PENAL SABANA HOYOS	ARECIBO
PR0207042	ARROZAL - LOS MUERTOS	ARECIBO
PR0220032	ACUED. LAS DELICIAS	CIALES
PR0220042	CUMBRE ARRIBA	CIALES
PR0238002	ALTURAS PIZA	JAYUYA
PR0238022	SANTA ROSA	JAYUYA
PR0238032	ALTURAS DE COLLORES	JAYUYA
PR0238072	SANTA BARBARA	JAYUYA
PR0238082	VEGUITAS GRIPINAS	JAYUYA
PR0238122	SANTA BARBARA II	JAYUYA
PR0242012	LUCAS LUGO	LARES
PR0242032	ACUED. HACIENDA PLANELL	LARES
PR0242042	ACUED. DE LA COMUNIDAD	LARES
PR0242052	ASOC. PRO BIENESTAR MAGUEYES	LARES
PR0242062	VEGA ACEVEDO	LARES

Pws -ID	SISTEMA	MUNICIPIO
PR0242122	COM. LAS CUARENTA	LARES
PR0272012	VIVI ABAJO	UTUADO
PR0272032	FINCA WILLIAM LUGO	UTUADO
PR0272082	ACUED. LA GRAMA	UTUADO
PR0272102	HACIENDA RULLAN	UTUADO
PR0272142	COMUNIDAD CHORRERAS	UTUADO
PR0272162	LA CASCADA MILAGROSA	UTUADO
PR0272212	TIM RIVERA CASELLAS	UTUADO
PR0272252	SIST. RURAL GRAULAO	UTUADO
PR0272262	VEGUITA	UTUADO
PR0272272	SALTOS CAGUANA	UTUADO
PR0272282	FINCA CARBONELL	UTUADO
PR0272292	ACUED. COMUNAL LA ESTANCIA	UTUADO
PR0302033	QUEBRADA LARGA	AGUADA
PR0302073	ESCUELA ATALAYA	AGUADA
PR0303023	ACUED. CORRECCIONAL GUERRERO	AGUADILLA
PR0306013	PINALES ARRIBA	ANASCO
PR0306023	CORCOBADA	ANASCO
PR0306053	ACUED. RURAL BO HATILLO A#ASCO	ANASCO
PR0306083	HUMATAS DEEP WATER	ANASCO

Pws -ID	SISTEMA	MUNICIPIO
PR0348083	LLANADAS	MARICAO
PR0364013	PERICHE	SAN GERMAN
PR0364063	COMUNIDAD MENDEZ	SAN GERMAN
PR0377023	SECTOR LAGUNA	LAS MARIAS
PR0401014	LAS CRUCES	ADJUNTAS
PR0401144	LIMANI	ADJUNTAS
PR0401164	TANAMA COMUNAL	ADJUNTAS
PR0401364	CRUCERO	ADJUNTAS
PR0422074	LA CUESTA	COAMO
PR0422094	COMUNIDAD MONTERIA	COAMO
PR0431014	PELCHAS	GUAYANILLA
PR0439034	GUARAGUAO	JUANA DIAZ
PR0439044	PORTILLO - MIRAMAR	JUANA DIAZ
PR0455014	DAMIAN ABAJO	OROCOVIS
PR0455044	COM. CACAO - LA SAPIA	OROCOVIS
PR0455114	COM. SABANA	OROCOVIS
PR0455134	PELLEJAS-GALLERA I	OROCOVIS
PR0455214	EL PERICO II	OROCOVIS
PR0455234	DAMIAN ARRIBA	OROCOVIS
PR0455294	COM. SALTOS CABRA	OROCOVIS

Pws -ID	SISTEMA	MUNICIPIO
PR0455314	CORPORACION SALTOS PELLEJA	OROCOVIS
PR0455324	SANTO TOMAS DE AQUINO	OROCOVIS
PR0457024	MALTILLO	PENUELAS
PR0457034	SOPLAERA	PENUELAS
PR0457044	CORPORACION PRO SALUD Y MEJORA	PENUELAS
PR0457054	PANDURA	PENUELAS
PR0457064	ACD. COMUNAL BO. RUCIO (ACBRI)	PENUELAS
PR0457084	COROZAL	PENUELAS
PR0457094	COREA METRALLA	PENUELAS
PR0457114	LA GELPA	PENUELAS
PR0457164	COMITE RESIDENTES SEC. BELLEZA	PENUELAS
PR0458004	LAS MESAS	PONCE
PR0458034	ASOC. CIVICA CULTURAL SOCIOECO	PONCE
PR0458054	LA YUCA	PONCE
PR0458174	SERVICIO DE AGUA	PONCE
PR0458194	ANON CARMELITA	PONCE
PR0458234	EL TESORO	PONCE
PR0458274	COMUNIDAD CESARIO	PONCE
PR0458284	ASOC. CIVICA PASTILLO TIBES	PONCE
PR0458294	ACUEDUCTO FAMILIA TORRES	PONCE

Pws -ID	SISTEMA	MUNICIPIO
PR0458304	LA CARMELITA	PONCE
PR0458314	EL YUMIRI	PONCE
PR0458344	ESTANCIAS DEL MADRIGAL	PONCE
PR0476054	LA JULITA	VILLALBA
PR0476064	VILLA BLANCA	VILLALBA
PR0476124	VACAS II	VILLALBA
PR0476204	SIERRITA	VILLALBA
PR0476224	ACEITUNA I	VILLALBA
PR0476234	ACEITUNA II	VILLALBA
PR0476314	SIERRITA-CAONILLA	VILLALBA
PR0476324	ACEITUNA III	VILLALBA
PR0476334	COMUNIDAD EL FRIO	OROCOVIS
PR0478034	LA MONTANA	YAUCO
PR0478044	CERROTE	YAUCO
PR0478054	LA JURADA	YAUCO
PR0478094	MOGOTE	YAUCO
PR0478114	SISTEMA DE AGUA CACAO	YAUCO
PR0505055	CUYON	AIBONITO
PR0505075	ALGARROBO NUEVO	AIBONITO
PR0518015	SECTOR PEPE HOYOS	CAYEY

Pws -ID	SISTEMA	MUNICIPIO
PR0518125	ACUED. SECT. LA PIEDRA	CAYEY
PR0521085	CAMPAMENTO EBENEZER	CIDRA
PR0523025	PALOMAS II	COMERIO
PR0523125	LA PRIETA CENTRO	COMERIO
PR0530045	LOS BARROS	GUAYAMA
PR0530085	CARITE LAKES	GUAYAMA
PR0549015	QUEBRADA ARENAS	MAUNABO
PR0549085	TALANTE	MAUNABO
PR0549095	SISTEMA DE AGUA MATUYAS BAJO	MAUNABO
PR0556015	MULAS	PATILLAS
PR0556025	BO.REAL	PATILLAS
PR0556045	LOS BARROS MARIN	PATILLAS
PR0556075	BO. JACABOA- HIGUERO	PATILLAS
PR0556095	GUARDARRAYA	PATILLAS
PR0556115	COMUNIDAD JAGUAL	PATILLAS
PR0556135	MULAS SECTOR SOFIA	PATILLAS
PR0556145	MARIN, SECTOR BETANCOURT	PATILLAS
PR0604056	SECTOR TIZA	AGUAS BUENAS
PR0604176	ACUED. COMUNAL EL LLANO	AGUAS BUENAS
PR0613176	SECTOR LAJITAS	CAGUAS

Pws -ID	SISTEMA	MUNICIPIO
PR0613196	ASOC. DUEÑOS EL PARAISO	CAGUAS
PR0613266	BORINQUEN-PRADERAS	CAGUAS
PR0613356	FINCA MI RECREO	CAGUAS
PR0613376	BUENOS AIRES	CAGUAS
PR0613466	COMUNIDAD VILLA VIGIA	CAGUAS
PR0613506	ACUED. VILLAS DE ORO	CAGUAS
PR0627016	JUAN DIEGO	FAJARDO
PR0633106	LOS VAZQUEZ	GURABO
PR0653016	ASOC. PRO DESARROLLO COMUNAL	NAGUABO
PR0653056	ACUED. DE LA COM. EL DUQUE	NAGUABO
PR0653066	ACD. LOMAS DEL VIENTO-MAIZALES	NAGUABO
PR0661046	BARCELONA	RIO GRANDE
PR0666026	MACANEA / ESPINO	SAN LORENZO
PR0666116	ACUED. COMUNIDAD 18	SAN LORENZO
PR0666136	COMUNIDAD EMMANUELLI	SAN LORENZO
PR0677066	SODOMA	YABUCOA
PR0724027	MANA I	COROZAL
PR0724077	COMUNIDAD PALMARITO CENTRO	COROZAL
PR0724097	MANA III	COROZAL
PR0724117	COM. ELADIO ANDREU	COROZAL

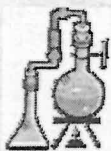
Pws -ID	SISTEMA	MUNICIPIO
PR0724127	COMUNIDAD DIVISORIA	COROZAL
PR0724147	COMUNIDAD SANTANA	CORAZAL
PR0754057	COM. ANONES MAYA	NARANJITO
PR0754107	COMUNIDAD NIEVES SANCHEZ	NARANJITO
PR0754127	ACUEDUCTO COMUNIDAD SAN JOSE	NARANJITO
PR0754137	COMUNIDAD LA GALLERA	NARANJITO

**DEPARTAMENTO DE SALUD
DIVISION DE AGUA POTABLE
SISTEMAS NON-PRASA FY-12
INTERMITENTES MR-BACTERIOLOGIA
TOTAL = 35**

Pws -ID	SISTEMA	MUNICIPIO
PR0272162	LA CASCADA MILAGROSA	UTUADO
PR0302043	LA CEIBA	AGUADA
PR0302053	COM. AISLADA EN DESARROLLO	AGUADA
PR0302063	COM. CERRO GORDO SEC.EL PARQUE	AGUADA
PR0302083	PROYECTO AGUAS	AGUADA
PR0351023	SONADOR II	SAN SEBASTIAN
PR0367013	ACUD. RURAL GUACIO	SAN SEBASTIAN
PR0510125	LA TIZA II	BARRANQUITAS
PR0510195	HELECHAL-GUAYABO	BARRANQUITAS
PR0510215	COM. BARRANCAS CENTRO	BARRANQUITAS
PR0518075	VECINOS COMUNIDAD LUIS LEBRON	CAYEY
PR0518105	ASOC. VILLAS GUAVATE	CAYEY
PR0521085	CAMPAMENTO EBENEZER	CIDRA
PR0523095	CEDRITO	COMERIO
PR0523105	ACUED. DOÑA ELENA (LOS PINOS)	COMERIO
PR0604016	LAS CORUJAS	AGUAS BUENAS
PR0604036	COM. RIVERA	AGUAS BUENAS

Pws -ID	SISTEMA	MUNICIPIO
PR0604046	MULTAS CENTRO	AGUAS BUENAS
PR0604066	JUAN ASECIO	AGUAS BUENAS
PR0604076	COMUNIDAD-MADRIGUERA	AGUAS BUENAS
PR0604086	BAYAMONCITO	AGUAS BUENAS
PR0619016	PORTAL DEL FUTURO	CEIBA
PR0644076	LIJAS	LAS PIEDRAS
PR0666016	ASOC. VECINO SECTOR OQUENDO	SAN LORENZO
PR0666036	LOS DIAZ	SAN LORENZO
PR0666046	QUEMADO I SEC. LOS ORTIZ	SAN LORENZO
PR0666056	LA CUCHILLA	SAN LORENZO
PR0666066	ED.COMUNAL SEC. MANUEL DIAZ	SAN LORENZO
PR0666076	QUEMADOS II SEC. VICENTE	SAN LORENZO
PR0666086	CORPORACION SEC. CANERA	SAN LORENZO
PR0666096	COMUNIDAD SECTOR LOS GOMEZ	SAN LORENZO
PR0666126	ACUED. COM. EDEM	SAN LORENZO
PR0724137	COMUNIDAD SECTOR LA RIVIERA	COROZAL
PR0754067	ANONES CENTRO I	NARANJITO
PR0754077	FEIJO	NARANJITO

ATTACHMENT 8



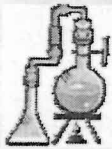
Commonwealth of Puerto Rico
Department of Health
Puerto Rico
Public Health Laboratories
Hygiene Laboratories Certification Program
P.O. Box 70184, San Juan, PR 00936-8184
P (787) 765-2929 Exts. 3743/3744: F 274-7751



meaviles@salud.gov.pr

May 23, 2012

LABORATORY ADDRESS AND CERTIFIED STATUS		
CONTACT/ADDRESS	STATUS	TELEPHONE/e-MAIL
Lcdo. Jorge Casado Director Auxiliar de Laboratorio PRASA's Central Drinking Water Chemistry & Micro Labs., PR00017 Laboratory Area Autoridad de Acueductos y Alcantarillados P O Box 5789 Caguas Puerto Rico 00726-5789	CERTIFIED Total Coliforms: [MMO-MUG (Colilert), (MTF), Quantl-Tray 2000] Fecal Coliforms: (EC) E. coli: [MMO-MUG (Colilert), Quantl-Tray 2000] Heterotrophic Bacteria: [HPC (Pour Plate)] Chemistry (See Enclosure)	(787) 286-5532 Ext.2025 / 2011 745-4690 FAX 745-4707 841-7893
Mrs. Ingrid Rivera Crespo, MT Laboratory Supervisor PRASA's Mayagüez Drinking Water Microbiology Lab., PR00010 Laboratory Area Autoridad de Acueductos y Alcantarillados P O Box 5789 Caguas Puerto Rico 00726-5789	CERTIFIED Total Coliforms: [MTF, MMO-MUG (Colilert) Quantl-Tray 2000] Fecal Coliforms: (EC) E. coli: [MMO-MUG (Colilert) Quantl-Tray 2000] Heterotrophic Bacteria: [HPC (Pour Plate)]	(787) 286-5532 Ext.2025 / 2011 745-4690 265-2450 265-2470 FAX 745-4707
Mrs. María M. Hernandez López, MT Laboratory Supervisor PRASA's Ponce Drinking Water Microbiology Lab., PR00011 Laboratory Area Autoridad de Acueductos y Alcantarillados P O Box 5789 Caguas Puerto Rico 00726-5789	CERTIFIED Total Coliforms: [MTF, MMO-MUG (Colilert) Quantl-Tray 2000] Fecal Coliforms: (EC) E. coli: [MMO-MUG (Colilert) Quantl-Tray 2000] Heterotrophic Bacteria: [HPC (Pour Plate)]	(787) 841-7856 286-5532 Ext.2025 / 2011 745-4690 FAX 745-4707 841-7856 841-7871
Ms. Maribel Troche Echevarria Laboratory Supervisor PRASA's Arecibo Drinking Water Microbiology Lab., PR00004 Laboratory Area Autoridad de Acueductos y Alcantarillados P O Box 5789 Caguas Puerto Rico 00726-5789	CERTIFIED Total Coliforms: [MTF, MMO-MUG (Colilert) Quantl-Tray 2000] Fecal Coliforms: (EC) E. coli: [MMO-MUG (Colilert) Quantl-Tray 2000] Heterotrophic Bacteria: [HPC (Pour Plate)]	(787) 286-5532 Ext.2025 / 2011 745-4690 FAX 745-4707 878-5758



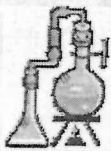
Commonwealth of Puerto Rico
Department of Health
Puerto Rico
Public Health Laboratories
Hygiene Laboratories Certification Program
P.O. Box 70184, San Juan, PR 00936-8184
P (787) 765-2929 Exts. 3743/3744: F 274-7751



meaviles@salud.gov.pr

May 23, 2012

LABORATORY ADDRESS AND CERTIFIED STATUS		
CONTACT/ADDRESS	STATUS	TELEPHONE/e-MAIL
Mrs. Iris M. Chévere Alfonso Laboratory Director Beckton Environmental Laboratories, Inc., PR00012 192 Villa Street Ponce Puerto Rico 00730	CERTIFIED Chemistry (See Enclosure)	(787) 841-7373 FAX 841-7313 www.beckton.com
Mr. Gerardo Sarriera, P.E., M.E. Owner Environmental Quality Laboratories, Inc., PR00014 P O Box 11458 Santurce Puerto Rico 00910-1458 <u>Phisycal Address:</u> Parque Industrial Minillas Calle E #60 Bayamón Puerto Rico 00956	CERTIFIED Total Coliforms: [MF, MTF, MMO-MUG (Colilert) Quantl-Tray 2000] Fecal Coliforms: (EC) E. coli: [MMO-MUG (Colilert), Quantl-Tray 2000] Heterotrophic Bacteria: [HPC (Pour Plate)] Chemistry (See Enclosure)	288-6420 288-6437 FAX 722-0380 724-3110 E-Mail www.eqlab.com
Mr. Luis Rafael Lebrón, MT Laboratory Director ACUALAB de Puerto Rico, PR00015 State Road #924 K.M. 2.8 Barrio Collores Box 625 Humacao Puerto Rico 00792	CERTIFIED Total Coliforms: [MTF, MMO-MUG (Colilert)] Quantl-Tray 2000] Fecal Coliforms: (EC) E. coli: [MMO-MUG (Colilert)] Quantl-Tray 2000] Heterotrophic Bacteria: [HPC (Pour Plate)]	(787) 852-5957 FAX 850-4840 e-Mail laboratorio@acualab.com
Mr. Manuel Santiago Laboratory Director ALCHEM Laboratories, EPA ID PR00947 Microbiology Drinking Water Laboratory Altol Chemical Environmental Laboratory Sabanetas Industrial Park P O Box 369 Ponce, Puerto Rico 00715	CERTIFIED Total Coliforms: [MMO-MUG (Colilert), (Quantl-Tray 2000)] E.coli: [MMO-MUG (Colilert), (Quantl-Tray 2000)] Heterotrophic Bacteria: [HPC (Pour Plate)]	(787) 848-6050 848-6085 848-6265 FAX 848-6299 manuel.santiago@altolenterprises.com



Commonwealth of Puerto Rico
Department of Health
Puerto Rico
Public Health Laboratories
Hygiene Laboratories Certification Program
P.O. Box 70184, San Juan, PR 00936-8184
P (787) 765-2929 Exts. 3743/3744: F 274-7751



meaviles@salud.gov.pr

May 23, 2012

LABORATORY ADDRESS AND CERTIFIED STATUS

CONTACT/ADDRESS	STATUS	TELEPHONE/e-MAIL
Ms. Norma Rivera Horrach, MT Laboratory Supervisor PRDOH's San Juan Drinking Water Microbiology Lab. Public Health Laboratories, PR00908 Building A Psychiatric Hospital P O Box 70184 San Juan Puerto Rico 00936-8184	Certified by EPA	765-2929 Ext. 3737 Laboratory: Ext. 3762 FAX 274-7751
Ms. Gissel T. Rodríguez, Chemist Laboratory Supervisor PRDOH's San Juan Drinking Water Chemistry Lab. Public Health Laboratories, PR00023 Building A Psychiatric Hospital P O Box 70184 San Juan Puerto Rico 00936-8184	Certified by EPA	765-2929 Ext. 3735 Laboratory: Ext. 3761 FAX 274-7751
Mrs. Carmen Ruiz Gonzalez, MT Laboratory Supervisor PRDOH's Arecibo Drinking Water Microbiology Lab., PR00008 San Luis Avenue #623 District Hospital Arecibo Puerto Rico 00612	Certified by EPA	(787) 879-1898 FAX
Mr. Héctor Chacón, Chemist Laboratory Supervisor PRDOH's Arecibo Drinking Water Chemistry Lab., PR00008 San Luis Avenue #623 District Hospital Arecibo Puerto Rico 00612	Certified by EPA	(787) 879-1898 FAX
Ms. Marilyn García Ayala, MT Laboratory Supervisor PRDOH's Ponce Drinking Water Microbiology Lab., PR00022 Ponce Puerto Rico 00731	Certified by EPA	



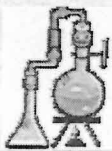
Commonwealth of Puerto Rico
Department of Health
Puerto Rico
Public Health Laboratories
Hygiene Laboratories Certification Program
P.O. Box 70184, San Juan, PR 00936-8184
P (787) 765-2929 Exts. 3743/3744: F 274-7751



meaviles@salud.gov.pr

May 23, 2012

LABORATORY ADDRESS AND CERTIFIED STATUS		
CONTACT/ADDRESS	STATUS	TELEPHONE/e-MAIL
Mrs. Rosario Morel, Chemist PRDOH's Ponce Drinking Water Chemistry Lab., PR00022 Ponce Puerto Rico 00731	Chemistry (See Enclosure)	
Mrs. Ana F. Colón Acevedo, MT Laboratory Director Lab. Clínico Analítico, Inc. EPA Code #PR00025 1326 Salud Street, Suite 309-311 Ponce Puerto Rico 00717-1689	CERTIFIED Total Coliforms: (MF, MTF) Fecal Coliforms: (EC) Heterotrophic Bacteria: [HPC (Pour Plate)]	(787) 290-4024 FAX 842-5327 e-Mail labclinicoanalitico@gmail.com
Mrs. Diana Hernández Laboratory Director North Coast Superaqueduct Project, PR00975 Drinking Water Microbiology P O Box 1631 Sabana Hoyos Puerto Rico 00688-1631	CERTIFIED Total Coliforms: [MMO-MUG (Colilert) Quantl-Tray 2000] E. coli: [MMO-MUG (Colilert) Quantl-Tray 2000]	(787) 881-8040 FAX 881-1150 dhernandez@caribbeanwaterpr.com
Mr. Andreas Saldivar Laboratory Director AMA Analytical Services, Inc. EPA Code #MD00084 4475 Forbes Boulevard Lanham, MD 20706	Certified by Reciprocity For ASBESTOS (See Enclosure)	(301) 459-2640 e-Mail: andreas@amalab.com dhudson@amalab.com
Mrs. Melba Avilés Quality Assurance Officer PRDOH Hygiene Laboratories Certification Program PO Box 70184 San Juan, PR 00936-8184	Certified by Reciprocity For Decachlorobiphenyl by EPA 508A	(787) 765-2929 Ext. 3743 e-Mail: meaviles@salud.gov.pr



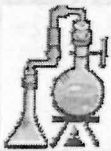
Commonwealth of Puerto Rico
Department of Health
Puerto Rico
Public Health Laboratories
Hygiene Laboratories Certification Program
P.O. Box 70184, San Juan, PR 00936-8184
P (787) 765-2929 Exts. 3743/3744: F 274-7751



meaviles@salud.gov.pr

May 23, 2012

LABORATORY ADDRESS AND CERTIFIED STATUS		
CONTACT/ADDRESS	STATUS	TELEPHONE/e-MAIL
Mr. N. Myron Gunsalus, Jr. Quality Manager Pace Analytical Services - Florida EPA Code FL01264 P O Box 468 - 8 East Tower Circle Ormond Beach Florida 32175-0468	Certified by Reciprocity (See Enclosure)	(386) 672-5668 FAX 673-4001 myron.gunsalus@pacelabs.com PUERTO RICO (787) 787-0866 www.pacelabs.com
Mrs. Andrea Teal QA Manager Test America Savannah Laboratories EPA Code #GA00006 5102 Laroche Ave. Savannah, GA 31404	Certified by Reciprocity (See Enclosure)	(912) 354-7458 354-7858 FAX 352-0165 www.testamericainc.com
Mr. William Deckelmann Laboratory Director American Water Central Laboratory EPA Code #IL00028 115 South Illinois Street Belleville IL 62220-6349	Certified by Reciprocity (See Enclosure)	(618) 235-3600 239-0544 239-0539 233-4777 FAX 235-6349 amwater.com e-Mail: Diane.mueller@amwater.com
Mr. Yongtao (Bruce) Li, Ph.D Laboratory Director Underwriters Laboratories, Inc. EPA Code #IN00035 110 S. Hill Street South Bend Indiana 46617 USA	Certified by Reciprocity (See Enclosure)	(574) 800-332-4345 233-4777 472-5523 FAX 233-8207 www.ehl.cc e-Mail: Dale.R.Piechocki@us.ul.com



Commonwealth of Puerto Rico
Department of Health
Puerto Rico
Public Health Laboratories
Hygiene Laboratories Certification Program
P.O. Box 70184, San Juan, PR 00936-8184
P (787) 765-2929 Exts. 3743/3744: F 274-7751



meaviles@salud.gov.pr

May 23, 2012

LABORATORY ADDRESS AND CERTIFIED STATUS

CONTACT/ADDRESS	STATUS	TELEPHONE/e-MAIL
Mr. Dave Vesey Laboratory Director National Testing Laboratories, LTD EPA Code # MI00044 556 S. Mansfield Street Ypsilanti, MI 48197	Certified by Reciprocity (See Enclosure)	(734) 483-8333 850-5623 FAX 483-0340 Toll-free-800-482-8333 www.watercheck.com e-Mail: cmancimilla@NTLLABS.com
Ms. Sarah Cherney Pace Analytical Services, Inc. EPA Code # MN00064 1700 Elm Street Suite 200 Minneapolis, MN 55414	Certified by Reciprocity (See Enclosure)	(612) 607-1700 850-5623 FAX 607-6444 www.pacelabs.com e-Mail: Charity.nowlan@pacelabs.com
Mr. Harry M. Borg Pace Analytical Services, Inc., Pittsburg EPA Code # PA01457 1638 Roseytown Road Suites 2, 3 & 4 Greensburg, PA 15601	Certified by Reciprocity (See Enclosure)	(724) 850-5600 850-5623 FAX 850-5601 e-Mail: Adrinna.Washington@pacelabs.com

